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U.S. Department of Health and Human Services

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Health Care Financing Administration

# STATES BY VOLUME

| VOL | STATE                             | VOL | STATE                         |
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| 2   | ALASKA                            | 29  | NEBRASKA                      |
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## FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

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## INTRODUCTION

The Medicare Hospital Information report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for **most** hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

*Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.*

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.

## DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.

## *Number Of Cases*

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category "All Causes." The eight medical condition and nine surgical procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

## *Observed Mortality Rate (OBS)*

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does **not** represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.



### *Predicted Mortality Rate (PRED)*

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

### *Standard Deviation (SD)*

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes (“---”) are placed in the SD column.



## **OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

## **FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

## **INFORMATION SOURCES AND NOTES**

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

### *Hospitals In The Analysis*

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

### *Data Sources*

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

### *Possible Limitations Of The Data*

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be

missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

#### TYPE AND SOURCE OF ADMISSION FLIPPED

| <u>FI No.</u> | <u>FI Name</u>         | <u>Dates</u>        |
|---------------|------------------------|---------------------|
| 00030         | Arizona Blue Cross     | 10/01/86 — 12/31/88 |
| 00080         | Maryland Blue Cross/DC | 06/01/87 — 09/30/87 |
| 00190         | Maryland Blue Cross    | 06/22/87 — 12/31/88 |
| 00400         | Texas Blue Cross       | 12/07/87 — 12/31/88 |



## HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. **First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.**

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

### *Use By Consumers — Some Key Questions*

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for "All Causes" consistently and significantly above the predicted rates for FY 1990?
- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?
- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?

- Is the number of cases too small to present a satisfactory picture of the hospital?
- Does the hospital treat a large number of cases in the category for which I need treatment?
- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be “sicker” than average?

### *Other Users Of This Publication*

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

### *Outside Assistance In Developing This Publication*

The development and presentation of the Medicare Hospital Information report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- **Inaccurate Date of Death** — We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was “expired” when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
- **Discrepant Case Counts** — Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.



*We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.*

## ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

## MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: 
$$\frac{24,379}{2,513} = 9.7 \text{ days}$$

The Medicare average length of stay is 9.7 days.

## HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

### *AHA Definitions (except for CMI)*

**Survey and Year** — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

### **Profile**

**Total beds (#)** — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

**Occupancy rate (percent)** — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

**Ownership/control** — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

**Medicare discharges** — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)

***Case mix index (CMI)*** — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

## **Staffing (all AHA counts are as of 9/30/90)**

***Total number of physicians*** — Total active and associate medical staff.

***Percent of physicians who are board-certified specialists*** — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

***Medical residents/interns*** — Full-time equivalent (FTE) medical residents or interns.

***Registered nurses*** — Full-time equivalent (FTE) registered nurses.

***Licensed practical nurses*** — Full-time equivalent (FTE) licensed practical nurses.

## **Specialty Services**

***Burn Unit*** — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

***Cardiac Intensive Care*** — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure,



open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

***Comprehensive Geriatric*** — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

***Hospice Care*** — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

***Medical/Surgical Intensive Care*** — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called "intensive care unit" in OSCAR.

***Organ/Tissue Transplant*** — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

***Other Intensive Care*** — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

***Trauma Center*** — Provides emergency and specialized intensive care to critically injured patients.

## Other Specialty/Hospital-Based Services

***Alcohol/Drug*** — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

***Rehabilitation*** — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

***Psychiatric*** — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

***Medicare Swing Beds*** — The hospital is certified by Medicare to provide “swing bed” services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

## *OSCAR Definitions (except for CMI)*

**Survey and Year** — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

## Profile

***Total beds (#)*** — Total number of operational beds eligible for Medicare payment.

***Ownership/control*** — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

***Case mix index (CMI)*** — See definition shown in AHA “Profile” section.

## Staffing

***Medical residents/interns*** — Full-time equivalent (FTE) medical residents or interns.

***Registered nurses*** — Full-time equivalent (FTE) registered nurses.

***Licensed practical nurses*** — Full-time equivalent (FTE) licensed practical nurses.

## Specialty Services

**NOTE:** There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories “comprehensive geriatric” and “other intensive care” are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

**Coronary Care** — See definition shown in AHA “Specialty Services” section.

**Intensive Care Unit** — See definition shown in AHA “Specialty Services” section. These units may also include other intensive care units in OSCAR reporting.

**Organ Transplant** — See definition shown in AHA “Organ/Tissue Transplant” section. May include tissue transplants because there is not a separate field in OSCAR for these services.



# TECHNICAL INFORMATION

## DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

## THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to

complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

## ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function,  $S(t)$ , is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function,  $h(t)$ , also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The probability density function,  $f(t)$ , commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for  $t$ . In some cases, the area under the survival curve is restricted to an interval  $0-t_1$  where  $t_1$  might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters  $\alpha$ ,  $\gamma$ , and  $\delta$  in terms of the  $k$  concomitant variables  $x_i$  and their associated component parameters  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  for  $i=1, 2, \dots, k$  and three intercepts or component parameters  $\alpha_0$ ,  $\gamma_0$ , and  $\delta_0$ . The structural parameter  $\delta$  is the long-term risk which is approached as  $t \rightarrow \infty$ . The structural parameter  $\alpha$  is the initial excess risk which decays with rate constant  $\gamma$ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk,  $\delta$ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ( $p < 0.05$ ) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.



Once the component parameters or regression coefficients  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  have been estimated, the predicted probability of patient death at any specified time after admission,  $1-S(t)$ , may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

## ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed,  $P$ , and predicted,  $\hat{\Theta}$ , mortality rates.

The residual has four components  $V_1$ ,  $V_2$ ,  $V_3$ , and  $V_4$  where  $V_1$  is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

$V_2$  is the binomial variance for  $n$  patients

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}.$$

$V_3$  is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}}(\hat{\Theta}) = \left(1 - \frac{1}{n}\right) \widehat{M_2}(\hat{\Theta})$$



where

$$\widehat{M_2(\Theta)} = \left\{ \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left( \frac{1}{z_p^2} \right)$$

The quantity  $z_p$  corresponds to the statistical significance (p-value) of the hospital-specific effect.

$V_4$  is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left( \text{Observed mortality} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

## STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital

with 300 cases in the “All Causes” category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 12.2/10.0 = 1.22.$$

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the “All Causes” category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 19.3/10.0 = 1.93.$$

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

## MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the **statistical meaningfulness** of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because  $22.9 \text{ percent} = 13.0 \text{ percent} + 1.98 \times 5.0 \text{ percent}$ , the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the row "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly,  $3.3 \text{ percent} = 13.0 \text{ percent} - 1.94 \times 5.0 \text{ percent}$ , the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.



## **HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION**

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents  
Government Printing Office  
Washington, D.C. 20402  
Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to hospitals in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. **Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.**

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration  
Bureau of Data Management and Strategy  
Office of Statistics and Data Management  
3-A-10 Security Office Park Building  
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Baltimore, Maryland 21207  
Telephone: (410) 597-5151



# Table 1

## DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

### CONDITION/PROCEDURE

### ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Heart Disorders/Procedures

Acute Myocardial Infarction  
(AMI)

All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)

*Note: For code 410 a 5th digit was added on October 1, 1989.*

Congestive Heart Failure  
(CHF)

398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)

Angioplasty  
(ANGPLSTY)

All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)

*Note: Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.*

Coronary Artery Bypass Graft  
(CABG)

All of 36.1(P) and not Angioplasty (see above)

Pacemaker Insertion, Initial  
(PACE)

37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

*Note: Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.*

**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Pulmonary Disorders****Pneumonia/Influenza  
(PNU)**All of 480, all of 481, 482.2, 482.3,  
482.9, 483, 485, 486, 487.0 (all D)**Chronic Obstructive Pulmonary  
(COPD)**All of 491, all of 492, all of 494, Disease  
all of 496; and 466.0, 518.82, 518.5,  
and 786.09 when there is a secondary  
diagnosis of any 496 (all D)

*Note: Code 518.8 got a 5th digit on October 1, 1987. Some  
cases from 799.1 were put into codes 518.81 and  
518.82.*

**Cerebrovascular Disorders/Procedures****Transient Cerebral Ischemia  
(TCI)**433.1, 433.3, 435 (D) and exclude those  
patients with an endarterectomy at the  
time of admission—38.12(P)**Stroke  
(STK)**

431, 434 through 434.9, 436 (all D)

**Carotid Endarterectomy  
(ENDART)**38.12 (P) with 433.1 (D); 433.3 (D) or  
435(D) as a principal diagnosis**Musculoskeletal Disorders/Procedures****Fracture of Neck of Femur  
(FXHIP)**

All of 820 (D)

**Hip Replacement/Revision  
(HIPREP)**81.5, 81.6 (exclude 81.69) (all P). On  
10/1/89 code 81.51 (P) through 81.53  
(P) with same diagnoses.**Open Reduction of Fractured Femur  
(OPRDUX)**79.35(P) on condition of 820 (D) as  
principal diagnosis

**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Genitourinary Disorders/Procedures**

Prostatectomy  
(PROS) 60.2, 60.3 through 60.69 (all P)

Hysterectomy  
(HYS) 68.3 through 68.7 (P)

**Gastrointestinal Disorders/Procedures**

Cholecystectomy  
(CHOLOTMY) 51.22 (P)

**Sepsis**

Sepsis 003.1, 020.2, 022.3, 036.2, 036.3,  
036.89, 036.9, 038.0, 038.1, 038.2,  
038.3, 038.40, 038.41, 038.42, 038.43,  
038.44, 038.49, 038.8, 038.9, 054.5

## Table 2

### COMORBIDITY CONDITIONS

(all are D codes)

| COMORBIDITY                    | ICD-9-CM CODES                                                                             |
|--------------------------------|--------------------------------------------------------------------------------------------|
| Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                           |
| Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                       |
| Chronic liver disease          | 571-572.8                                                                                  |
| Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 |
| Chronic diabetes               | 250.01, 250.1-250.91                                                                       |
| Chronic pulmonary disease      | 491-493.91, 496                                                                            |
| Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                       |



# Table 3

## EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

### Demographics

SXFM                      An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP if SXFM = 1, 0 otherwise

AGEML = AGESP if SXFM = 0, 0 otherwise

where

$$AGESP = \text{sign}(W-65) \left( \left| \frac{W-65}{65} \right| \right)^{1.44}$$

and

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

### Comorbidities

### ICD-9-CM Codes

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

|     |                                |                                                                                            |
|-----|--------------------------------|--------------------------------------------------------------------------------------------|
| CCA | Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                           |
| CCV | Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                       |
| CLV | Chronic liver disease          | 571-572.8                                                                                  |
| CRN | Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 |
| CDI | Chronic diabetes               | 250.01, 250.1-250.91                                                                       |
| COP | Chronic pulmonary disease      | 491-493.91, 496                                                                            |
| CCE | Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                       |

## Co Occurrence of Comorbidities

|         |                                       |
|---------|---------------------------------------|
| COP_CCV | 1 if COP = 1 and CCV = 1, 0 otherwise |
| CCA_CCV | 1 if CCA = 1 and CCV = 1, 0 otherwise |
| COP_CCA | 1 if COP = 1 and CCA = 1, 0 otherwise |
| CCE_CCV | 1 if CCE = 1 and CCV = 1, 0 otherwise |
| CRN_CCV | 1 if CRN = 1 and CCV = 1, 0 otherwise |

## Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

|       |                                                   |
|-------|---------------------------------------------------|
| PREF  | Patient referred by personal or HMO physician     |
| TRSNF | Patient transferred from skilled nursing facility |
| ELCT  | Patient admitted for elective procedure           |
| EMRG  | Patient admitted for emergency                    |

## Co-Occurrence of Admission Source and Type

PREF\_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

## Previous Hospitalizations

|         |                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------|
| P_RISK1 | Number at 1st risk level with 3 or more set to 3                                                            |
| P_RISK2 | Number at 2nd risk level with 3 or more set to 3                                                            |
| P_RISK3 | Number at 3rd risk level with 3 or more set to 3                                                            |
| P_RISK4 | Number at 4th risk level with 4 or more set to 4                                                            |
| P_RISK5 | Number at 5th risk level with 3 or more set to 3                                                            |
| F(T)    | Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise |

## Time Trend

|        |                                                                                   |
|--------|-----------------------------------------------------------------------------------|
| FLAG89 | 1 if discharge in FY1989, 0 otherwise                                             |
| FLAG90 | 1 if discharge in FY1990, 0 otherwise                                             |
| INYEAR | Difference between current admission date and April 1 of fiscal year of discharge |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1990

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2645                      | 0.45    | 0.88 | 1.04 | 1.23 | 1.72  | 0.56    | 0.90 | 1.03 | 1.17 | 1.54  | 0.61     | 0.90 | 1.02 | 1.15 | 1.46  |
| OVERALL( >= 750 CASES)   | 2684                      | 0.73    | 0.91 | 0.99 | 1.09 | 1.35  | 0.79    | 0.94 | 1.01 | 1.09 | 1.28  | 0.82     | 0.94 | 1.01 | 1.08 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1405                      | 0.54    | 0.80 | 0.95 | 1.11 | 1.42  | 0.62    | 0.86 | 0.99 | 1.14 | 1.44  | 0.63     | 0.86 | 0.99 | 1.13 | 1.39  |
| CHF                      | 2335                      | 0.43    | 0.79 | 0.98 | 1.17 | 1.64  | 0.60    | 0.85 | 0.99 | 1.13 | 1.49  | 0.66     | 0.89 | 1.00 | 1.13 | 1.41  |
| PNEUMONIA/INFLUENZA      | 2428                      | 0.41    | 0.78 | 0.97 | 1.18 | 1.68  | 0.53    | 0.84 | 1.00 | 1.17 | 1.55  | 0.57     | 0.86 | 1.01 | 1.16 | 1.50  |
| COPD                     | 435                       | 0.00    | 0.63 | 0.97 | 1.34 | 2.06  | 0.30    | 0.78 | 1.02 | 1.26 | 1.74  | 0.40     | 0.82 | 1.01 | 1.24 | 1.69  |
| TRANS. CEREBRAL ISCHEMIA | 404                       | 0.00    | 0.00 | 0.83 | 1.34 | 3.20  | 0.00    | 0.48 | 0.85 | 1.31 | 2.27  | 0.21     | 0.60 | 0.90 | 1.21 | 2.05  |
| STROKE                   | 1789                      | 0.53    | 0.79 | 0.95 | 1.13 | 1.56  | 0.61    | 0.84 | 0.98 | 1.13 | 1.47  | 0.65     | 0.87 | 0.99 | 1.12 | 1.42  |
| HIP FRACTURE             | 1199                      | 0.21    | 0.67 | 0.93 | 1.27 | 2.10  | 0.40    | 0.76 | 0.94 | 1.19 | 1.80  | 0.47     | 0.78 | 0.97 | 1.16 | 1.64  |
| SEPSIS                   | 254                       | 0.51    | 0.79 | 0.96 | 1.12 | 1.50  | 0.65    | 0.86 | 0.99 | 1.13 | 1.47  | 0.69     | 0.89 | 1.01 | 1.15 | 1.44  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 425                       | 0.00    | 0.49 | 0.89 | 1.33 | 2.66  | 0.00    | 0.60 | 0.93 | 1.36 | 2.34  | 0.00     | 0.63 | 0.97 | 1.34 | 2.14  |
| CABG                     | 556                       | 0.20    | 0.68 | 1.03 | 1.39 | 2.45  | 0.28    | 0.73 | 1.00 | 1.32 | 2.09  | 0.28     | 0.73 | 1.01 | 1.30 | 2.10  |
| PACEMAKER                | 112                       | 0.00    | 0.41 | 0.72 | 1.37 | 3.25  | 0.20    | 0.61 | 0.90 | 1.21 | 2.17  | 0.21     | 0.65 | 0.84 | 1.16 | 1.87  |
| CAROTID ENDARTERECTOMY   | 73                        | 0.00    | 0.00 | 0.85 | 1.33 | 2.90  | 0.00    | 0.14 | 0.74 | 1.28 | 2.43  | 0.00     | 0.42 | 0.86 | 1.38 | 2.86  |
| HIP REPLACEMENT          | 763                       | 0.00    | 0.53 | 0.94 | 1.44 | 2.77  | 0.19    | 0.67 | 0.96 | 1.31 | 2.12  | 0.26     | 0.71 | 0.94 | 1.26 | 1.91  |
| REDUCT. OF HIP FRACTURE  | 276                       | 0.00    | 0.56 | 0.86 | 1.22 | 2.05  | 0.31    | 0.68 | 0.92 | 1.19 | 1.76  | 0.38     | 0.77 | 0.96 | 1.12 | 1.58  |
| PROSTATECTOMY            | 1576                      | 0.00    | 0.00 | 0.73 | 1.57 | 3.56  | 0.00    | 0.49 | 0.91 | 1.40 | 2.63  | 0.00     | 0.57 | 0.92 | 1.29 | 2.21  |
| CHOLECYSTECTOMY          | 714                       | 0.00    | 0.49 | 0.95 | 1.54 | 2.68  | 0.00    | 0.62 | 0.93 | 1.37 | 2.22  | 0.22     | 0.67 | 0.98 | 1.27 | 1.93  |
| HYSTERECTOMY             | 113                       | 0.00    | 0.00 | 0.00 | 2.00 | 6.69  | 0.00    | 0.00 | 0.76 | 1.70 | 3.59  | 0.00     | 0.24 | 0.75 | 1.27 | 2.91  |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1989

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2746                      | 0.50    | 0.87 | 1.04 | 1.23 | 1.73  | 0.58    | 0.89 | 1.03 | 1.17 | 1.54  | 0.61     | 0.89 | 1.01 | 1.14 | 1.44  |
| OVERALL( >= 750 CASES)   | 2669                      | 0.71    | 0.90 | 1.00 | 1.09 | 1.35  | 0.79    | 0.94 | 1.01 | 1.08 | 1.28  | 0.82     | 0.95 | 1.01 | 1.07 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1412                      | 0.53    | 0.81 | 0.96 | 1.12 | 1.47  | 0.59    | 0.86 | 1.01 | 1.15 | 1.47  | 0.63     | 0.87 | 1.00 | 1.14 | 1.43  |
| CHF                      | 2293                      | 0.47    | 0.80 | 0.97 | 1.18 | 1.69  | 0.58    | 0.86 | 1.00 | 1.14 | 1.48  | 0.66     | 0.89 | 1.02 | 1.14 | 1.40  |
| PNEUMONIA/INFLUENZA      | 2179                      | 0.45    | 0.77 | 0.97 | 1.19 | 1.67  | 0.54    | 0.85 | 1.01 | 1.18 | 1.55  | 0.60     | 0.86 | 1.02 | 1.18 | 1.51  |
| COPD                     | 324                       | 0.21    | 0.68 | 0.99 | 1.32 | 2.13  | 0.44    | 0.78 | 1.04 | 1.27 | 1.91  | 0.49     | 0.84 | 1.04 | 1.24 | 1.66  |
| TRANS. CEREBRAL ISCHEMIA | 420                       | 0.00    | 0.00 | 0.79 | 1.41 | 3.26  | 0.00    | 0.46 | 0.88 | 1.33 | 2.36  | 0.18     | 0.60 | 0.92 | 1.25 | 1.97  |
| STROKE                   | 1728                      | 0.53    | 0.80 | 0.95 | 1.12 | 1.56  | 0.62    | 0.85 | 0.97 | 1.11 | 1.46  | 0.67     | 0.88 | 0.99 | 1.13 | 1.40  |
| HIP FRACTURE             | 1126                      | 0.24    | 0.67 | 0.95 | 1.30 | 2.04  | 0.39    | 0.75 | 0.98 | 1.21 | 1.71  | 0.46     | 0.78 | 0.97 | 1.18 | 1.59  |
| SEPSIS                   | 174                       | 0.52    | 0.79 | 0.94 | 1.10 | 1.52  | 0.63    | 0.88 | 1.02 | 1.15 | 1.46  | 0.68     | 0.93 | 1.05 | 1.16 | 1.43  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 370                       | 0.00    | 0.46 | 0.84 | 1.35 | 2.55  | 0.00    | 0.55 | 0.88 | 1.33 | 2.52  | 0.00     | 0.61 | 0.94 | 1.32 | 2.44  |
| CABG                     | 501                       | 0.21    | 0.65 | 1.00 | 1.47 | 2.57  | 0.23    | 0.69 | 1.00 | 1.33 | 2.29  | 0.32     | 0.74 | 1.01 | 1.33 | 2.21  |
| PACEMAKER                | 91                        | 0.00    | 0.52 | 0.74 | 1.12 | 2.31  | 0.00    | 0.56 | 0.83 | 1.15 | 2.14  | 0.20     | 0.68 | 0.81 | 1.16 | 1.87  |
| CAROTID ENDARTERECTOMY   | 55                        | 0.00    | 0.00 | 0.82 | 1.51 | 5.01  | 0.00    | 0.47 | 0.86 | 1.31 | 4.00  | 0.00     | 0.43 | 0.85 | 1.28 | 3.12  |
| HIP REPLACEMENT          | 686                       | 0.00    | 0.52 | 0.92 | 1.44 | 2.46  | 0.00    | 0.65 | 0.94 | 1.27 | 1.95  | 0.21     | 0.67 | 0.94 | 1.19 | 1.75  |
| REDUCT. OF HIP FRACTURE  | 246                       | 0.19    | 0.57 | 0.91 | 1.23 | 1.96  | 0.31    | 0.71 | 0.96 | 1.19 | 1.74  | 0.41     | 0.78 | 0.96 | 1.13 | 1.53  |
| PROSTATECTOMY            | 1570                      | 0.00    | 0.00 | 0.67 | 1.50 | 3.46  | 0.00    | 0.47 | 0.86 | 1.36 | 2.67  | 0.00     | 0.58 | 0.93 | 1.28 | 2.15  |
| CHOLECYSTECTOMY          | 680                       | 0.00    | 0.53 | 0.94 | 1.53 | 2.90  | 0.00    | 0.62 | 0.97 | 1.36 | 2.15  | 0.22     | 0.66 | 0.95 | 1.26 | 1.98  |
| HYSTERECTOMY             | 101                       | 0.00    | 0.00 | 0.00 | 1.80 | 5.44  | 0.00    | 0.00 | 0.78 | 1.60 | 4.21  | 0.00     | 0.00 | 0.91 | 1.38 | 2.99  |



TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1988

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |       |       |       |       | 90 DAYS |       |       |       |       | 180 DAYS |       |       |       |       |
|--------------------------|---------------------------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
|                          |                           | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%     | 25%   | 50%   | 75%   | 97.5% |
|                          |                           | -----   | ----- | ----- | ----- | ----- | -----   | ----- | ----- | ----- | ----- | -----    | ----- | ----- | ----- | ----- |
| OVERALL( < 750 CASES )   | 2838                      | 0.46    | 0.89  | 1.05  | 1.23  | 1.75  | 0.54    | 0.90  | 1.03  | 1.16  | 1.57  | 0.59     | 0.90  | 1.02  | 1.14  | 1.45  |
| OVERALL( >= 750 CASES)   | 2693                      | 0.73    | 0.90  | 1.00  | 1.10  | 1.35  | 0.79    | 0.94  | 1.01  | 1.09  | 1.27  | 0.82     | 0.95  | 1.01  | 1.08  | 1.24  |
| CONDITIONS               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| AMI                      | 1414                      | 0.56    | 0.82  | 0.96  | 1.12  | 1.41  | 0.63    | 0.87  | 1.01  | 1.14  | 1.42  | 0.65     | 0.89  | 1.00  | 1.13  | 1.39  |
| CHF                      | 2246                      | 0.45    | 0.79  | 0.97  | 1.18  | 1.61  | 0.60    | 0.86  | 1.00  | 1.14  | 1.43  | 0.68     | 0.90  | 1.02  | 1.13  | 1.37  |
| PNEUMONIA/INFLUENZA      | 2069                      | 0.44    | 0.79  | 0.97  | 1.17  | 1.68  | 0.57    | 0.85  | 1.01  | 1.17  | 1.59  | 0.61     | 0.87  | 1.01  | 1.16  | 1.53  |
| COPD                     | 310                       | 0.21    | 0.67  | 0.92  | 1.30  | 2.17  | 0.39    | 0.79  | 0.98  | 1.20  | 1.81  | 0.51     | 0.82  | 0.99  | 1.19  | 1.59  |
| TRANS. CEREBRAL ISCHEMIA | 495                       | 0.00    | 0.00  | 0.84  | 1.48  | 2.94  | 0.00    | 0.48  | 0.92  | 1.39  | 2.28  | 0.21     | 0.60  | 0.92  | 1.27  | 1.92  |
| STROKE                   | 1726                      | 0.51    | 0.79  | 0.95  | 1.12  | 1.56  | 0.60    | 0.84  | 0.98  | 1.13  | 1.44  | 0.64     | 0.88  | 1.00  | 1.13  | 1.42  |
| HIP FRACTURE             | 1119                      | 0.24    | 0.65  | 0.96  | 1.27  | 2.07  | 0.40    | 0.78  | 0.98  | 1.21  | 1.77  | 0.47     | 0.80  | 0.98  | 1.17  | 1.64  |
| SEPSIS                   | 133                       | 0.58    | 0.77  | 0.92  | 1.08  | 1.64  | 0.56    | 0.86  | 1.00  | 1.13  | 1.54  | 0.67     | 0.88  | 1.02  | 1.14  | 1.53  |
| PROCEDURES               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| ANGIOPLASTY              | 297                       | 0.00    | 0.50  | 0.87  | 1.35  | 2.60  | 0.00    | 0.59  | 0.91  | 1.34  | 2.50  | 0.00     | 0.65  | 0.95  | 1.31  | 2.25  |
| CABG                     | 478                       | 0.21    | 0.68  | 0.98  | 1.39  | 2.40  | 0.32    | 0.73  | 1.00  | 1.36  | 2.12  | 0.38     | 0.75  | 1.01  | 1.31  | 2.04  |
| PACEMAKER                | 83                        | 0.00    | 0.34  | 0.65  | 1.04  | 1.75  | 0.01    | 0.54  | 0.85  | 1.03  | 1.70  | 0.23     | 0.69  | 0.87  | 1.10  | 1.57  |
| CAROTID ENDARTERECTOMY   | 69                        | 0.00    | 0.00  | 0.60  | 1.23  | 3.30  | 0.00    | 0.33  | 0.62  | 1.09  | 2.50  | 0.00     | 0.44  | 0.68  | 1.16  | 1.87  |
| HIP REPLACEMENT          | 670                       | 0.00    | 0.49  | 0.95  | 1.40  | 2.65  | 0.00    | 0.66  | 1.01  | 1.31  | 2.15  | 0.24     | 0.70  | 0.96  | 1.24  | 1.87  |
| REDUCT. OF HIP FRACTURE  | 259                       | 0.00    | 0.61  | 0.91  | 1.26  | 2.16  | 0.38    | 0.74  | 0.96  | 1.21  | 1.94  | 0.44     | 0.77  | 0.96  | 1.16  | 1.79  |
| PROSTATECTOMY            | 1619                      | 0.00    | 0.00  | 0.78  | 1.53  | 3.69  | 0.00    | 0.54  | 0.92  | 1.39  | 2.57  | 0.00     | 0.61  | 0.93  | 1.30  | 2.21  |
| CHOLECYSTECTOMY          | 642                       | 0.00    | 0.50  | 0.96  | 1.44  | 3.04  | 0.00    | 0.61  | 0.96  | 1.36  | 2.26  | 0.25     | 0.66  | 0.96  | 1.27  | 2.01  |
| HYSTERECTOMY             | 90                        | 0.00    | 0.00  | 0.00  | 1.57  | 5.00  | 0.00    | 0.00  | 0.68  | 1.43  | 2.83  | 0.00     | 0.28  | 0.67  | 1.15  | 2.88  |

**TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS**

(n is the number of cases at your hospital and p is the predicted mortality rate)

| p | n    | 99% Prediction Interval |      |      |      |      | 95% Prediction Interval |      |      |      |      | 75% Prediction Interval |      |      |      |      |
|---|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|
|   |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      |
|   |      | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  |
|   | 25   | 2.95                    | 2.73 | 2.68 | 2.63 | 2.59 | 2.15                    | 2.04 | 2.01 | 1.99 | 1.97 | 1.17                    | 1.16 | 1.16 | 1.15 | 1.15 |
|   | 50   | 2.76                    | 2.65 | 2.63 | 2.60 | 2.58 | 2.05                    | 2.00 | 1.99 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 75   | 2.70                    | 2.63 | 2.61 | 2.59 | 2.58 | 2.02                    | 1.99 | 1.98 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 100  | 2.67                    | 2.61 | 2.60 | 2.59 | 2.58 | 2.01                    | 1.98 | 1.97 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 150  | 2.64                    | 2.60 | 2.59 | 2.59 | 2.58 | 1.99                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 200  | 2.62                    | 2.60 | 2.59 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 300  | 2.61                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 400  | 2.60                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 500  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 750  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 1000 | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 2000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 5000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |

| p | n    | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|---|------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|
|   |      | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|   |      | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   |
|   | 25   | -2.21                  | -2.42 | -2.48 | -2.52 | -2.56 | -1.77                  | -1.88 | -1.91 | -1.93 | -1.95 | -1.13                  | -1.14 | -1.14 | -1.15 | -1.15 |
|   | 50   | -2.39                  | -2.50 | -2.53 | -2.55 | -2.57 | -1.87                  | -1.92 | -1.93 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 75   | -2.45                  | -2.52 | -2.54 | -2.56 | -2.57 | -1.90                  | -1.93 | -1.94 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 100  | -2.48                  | -2.54 | -2.55 | -2.56 | -2.57 | -1.91                  | -1.94 | -1.95 | -1.95 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 150  | -2.51                  | -2.55 | -2.56 | -2.57 | -2.57 | -1.93                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 200  | -2.53                  | -2.56 | -2.56 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 300  | -2.54                  | -2.56 | -2.57 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 400  | -2.55                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 500  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 750  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 1000 | -2.57                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 2000 | -2.57                  | -2.57 | -2.57 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 5000 | -2.57                  | -2.58 | -2.58 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |

**Medicare  
Hospital  
Information**

# ADAMS COUNTY HOSPITAL

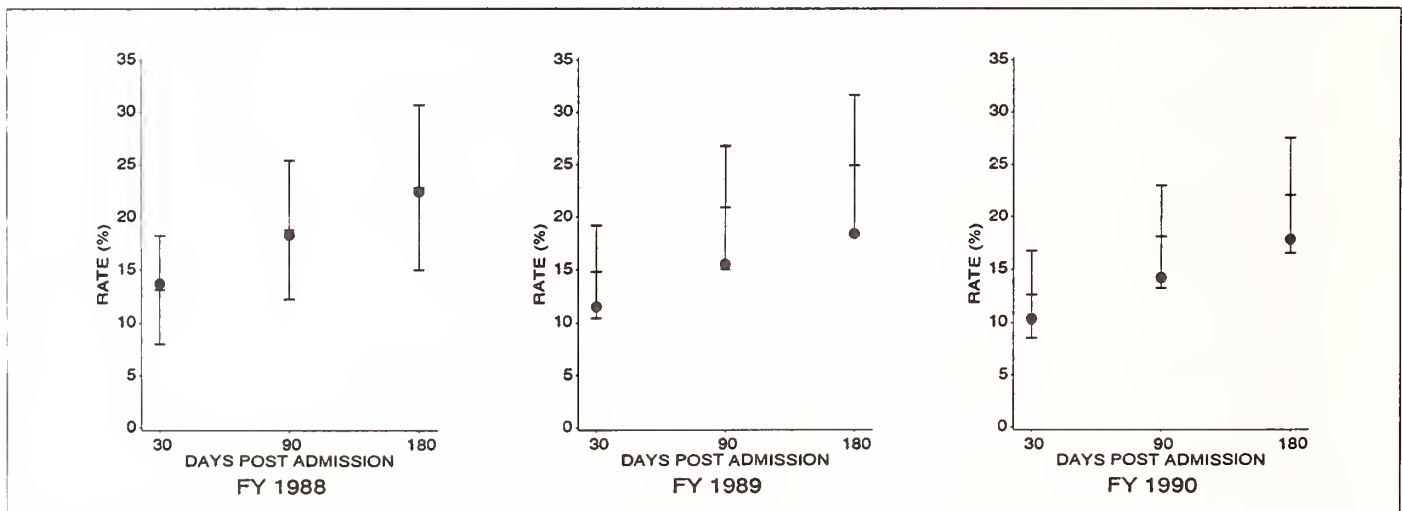
210 NORTH WILSON DRIVE  
WEST UNION, OH 45693  
Medicare Provider Number: 360129

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 445             | 10.3                | 12.6 | 2.1  | 14.2    | 18.1 | 2.4  | 17.8     | 22.0 | 2.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9               | 55.6                | 30.0 | ---- | 66.7    | 33.7 | ---- | 66.7     | 36.7 | ---- |
| Congestive Heart Failure.....              | 22              | 22.7                | 15.9 | ---- | 22.7    | 24.2 | ---- | 27.3     | 31.1 | ---- |
| Pneumonia/Influenza.....                   | 55              | 12.7                | 20.1 | 8.6  | 16.4    | 27.3 | 9.5  | 21.8     | 31.9 | 9.9  |
| Chronic Obstructive Pulmonary Disease..... | 19              | 10.5                | 10.2 | ---- | 10.5    | 17.7 | ---- | 15.8     | 23.0 | ---- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 2.3  | ---- | 0.0     | 5.2  | ---- | 0.0      | 8.9  | ---- |
| Stroke.....                                | 19              | 31.6                | 24.8 | ---- | 31.6    | 32.0 | ---- | 31.6     | 36.3 | ---- |
| Hip Fracture.....                          | 3               | 0.0                 | 7.0  | ---- | 0.0     | 11.7 | ---- | 0.0      | 15.0 | ---- |
| Sepsis.....                                | 7               | 28.6                | 37.3 | ---- | 42.9    | 44.1 | ---- | 42.9     | 48.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 8.0  | ---- | 0.0     | 13.7 | ---- | 0.0      | 17.4 | ---- |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.0  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.4  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) Is not calculated If the number of deaths or cases Is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ADAMS COUNTY HOSPITAL

Medicare Provider Number: 360129

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years

Proportion female..... 52.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 25.8 %

Transferred from skilled nursing facility..... 4.9 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 100.0 %

### COMORBIDITIES:

Cancer..... 6.5 %

Chronic cardiovascular disease..... 36.9 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 2.7 %

Chronic pulmonary disease..... 26.7 %

Cerebrovascular degeneration..... 1.8 %

Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.0%

State ..... 6.6%

Outside State ..... 1.4%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 64

Occupancy Rate ..... 56.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 52.2 %

Case Mix Index (CMI) ..... 1.0520

### STAFFING:

Total Number of Physicians..... 15

Percent of Physicians Board  
Certified Specialists ..... 46.7 %

Medical Residents/Interns ..... 0

Registered Nurses ..... 38

Licensed Practical Nurses ..... 16

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# AKRON CITY HOSPITAL

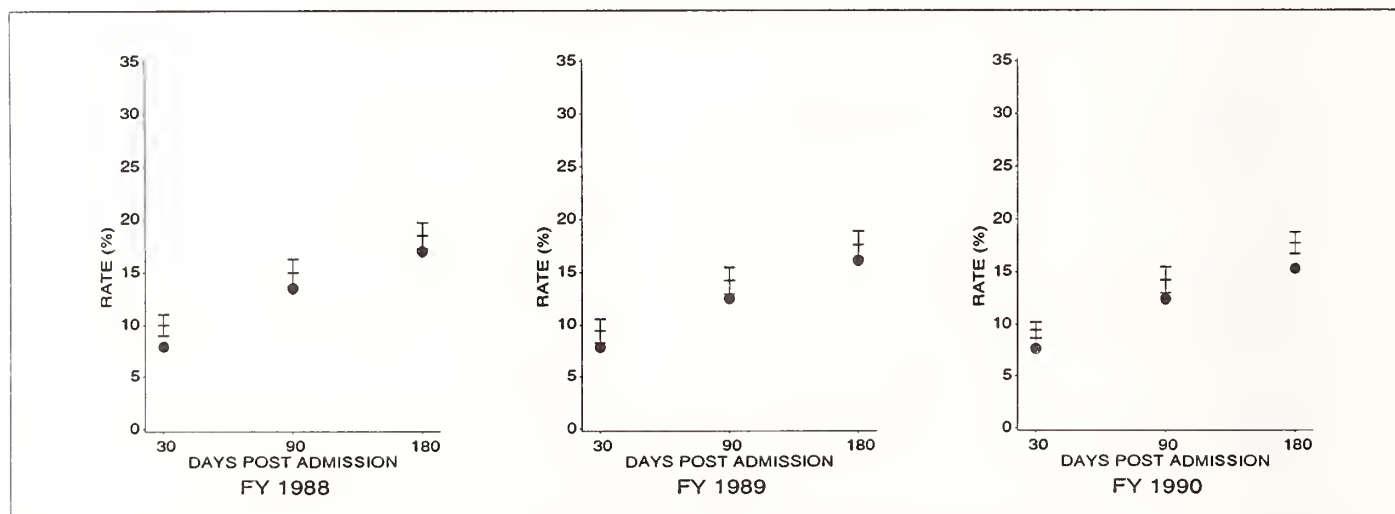
525 EAST MARKET STREET  
AKRON, OH 44309  
Medicare Provider Number: 360015

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 6373            | 7.6                 | 9.4  | 0.4   | 12.4    | 14.2 | 0.6   | 15.3     | 17.7 | 0.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 182             | 25.3                | 27.0 | 3.6   | 28.6    | 29.8 | 3.5   | 31.3     | 32.5 | 3.9   |
| Congestive Heart Failure.....              | 314             | 12.4                | 15.3 | 2.6   | 22.9    | 24.0 | 2.5   | 29.9     | 30.3 | 2.8   |
| Pneumonia/Influenza.....                   | 304             | 17.1                | 17.9 | 2.9   | 22.0    | 24.5 | 3.6   | 27.0     | 28.8 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 87              | 4.6                 | 9.4  | 4.5   | 9.2     | 16.3 | 6.2   | 12.6     | 21.4 | 6.6   |
| Transient Cerebral Ischemia.....           | 114             | 0.9                 | 1.8  | 1.4   | 4.4     | 4.0  | 1.9   | 6.1      | 6.4  | 2.6   |
| Stroke.....                                | 234             | 16.2                | 23.2 | 3.9   | 25.6    | 30.4 | 3.8   | 28.6     | 34.3 | 3.9   |
| Hip Fracture.....                          | 130             | 10.0                | 8.5  | 3.1   | 14.6    | 15.0 | 4.0   | 18.5     | 19.2 | 4.0   |
| Sepsis.....                                | 77              | 20.8                | 23.6 | 6.3   | 26.0    | 32.0 | 7.5   | 27.3     | 37.0 | 8.7   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 156             | 2.6                 | 3.2  | 1.6   | 5.1     | 4.3  | 1.7   | 6.4      | 5.3  | 1.9   |
| Coronary Artery Bypass Graft.....          | 122             | 5.7                 | 6.4  | 4.3   | 6.6     | 8.5  | 4.6   | 6.6      | 9.4  | 4.9   |
| Initial Pacemaker Insertion.....           | 40              | 0.0                 | 2.8  | ----- | 0.0     | 5.3  | ----- | 0.0      | 7.8  | ----- |
| Carotid Endarterectomy.....                | 29              | 0.0                 | 1.3  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.5  | ----- |
| Hip Replacement/Reconstruction.....        | 138             | 2.2                 | 3.3  | 2.5   | 3.6     | 5.7  | 3.6   | 4.3      | 7.5  | 3.9   |
| Open Reduction of Hip Fracture.....        | 15              | 0.0                 | 9.3  | ----- | 6.7     | 17.3 | ----- | 13.3     | 22.5 | ----- |
| Prostatectomy.....                         | 145             | 1.4                 | 1.0  | 1.2   | 2.8     | 2.3  | 1.7   | 4.1      | 4.0  | 1.9   |
| Cholecystectomy.....                       | 137             | 0.7                 | 2.5  | 2.1   | 3.6     | 4.7  | 2.7   | 5.1      | 6.3  | 3.3   |
| Hysterectomy.....                          | 58              | 0.0                 | 0.6  | 1.3   | 3.4     | 1.3  | 2.5   | 3.4      | 2.2  | 2.2   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# AKRON CITY HOSPITAL

Medicare Provider Number: 360015

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.8 years  
 Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.6 %  
 Transferred from skilled nursing facility..... 6.0 %  
 Admitted for elective procedure..... 21.7 %  
 Admitted for emergency..... 62.9 %

### COMORBIDITIES:

Cancer..... 8.1 %  
 Chronic cardiovascular disease..... 39.7 %  
 Chronic liver disease..... 0.8 %  
 Chronic renal disease..... 3.5 %  
 Chronic pulmonary disease..... 12.5 %  
 Cerebrovascular degeneration..... 3.8 %  
 Diabetes mellitus..... 8.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.7%  
 State ..... 13.5%  
 Outside State ..... 1.8%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.4 Days  
 State ..... 8.3 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 530  
 Occupancy Rate ..... 88.0 %  
 Ownership/Control..... Private, Non-Profit  
 Medicare Discharges ..... 37.0 %  
 Case Mix Index (CMI) ..... 1.3996

### STAFFING:

Total Number of Physicians..... 382  
 Percent of Physicians Board  
 Certified Specialists ..... 79.1 %  
 Medical Residents/Interns ..... 154  
 Registered Nurses..... 806  
 Licensed Practical Nurses ..... 98

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Cardiac Intensive Care ..... Yes  
 Comprehensive Geriatric ..... Yes  
 Hospice Care ..... No  
 Medical/Surgical Intensive Care ..... Yes  
 Organ/Tissue Transplant ..... Yes  
 Other Intensive Care ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... Yes  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# AKRON GENERAL MEDICAL CENTER

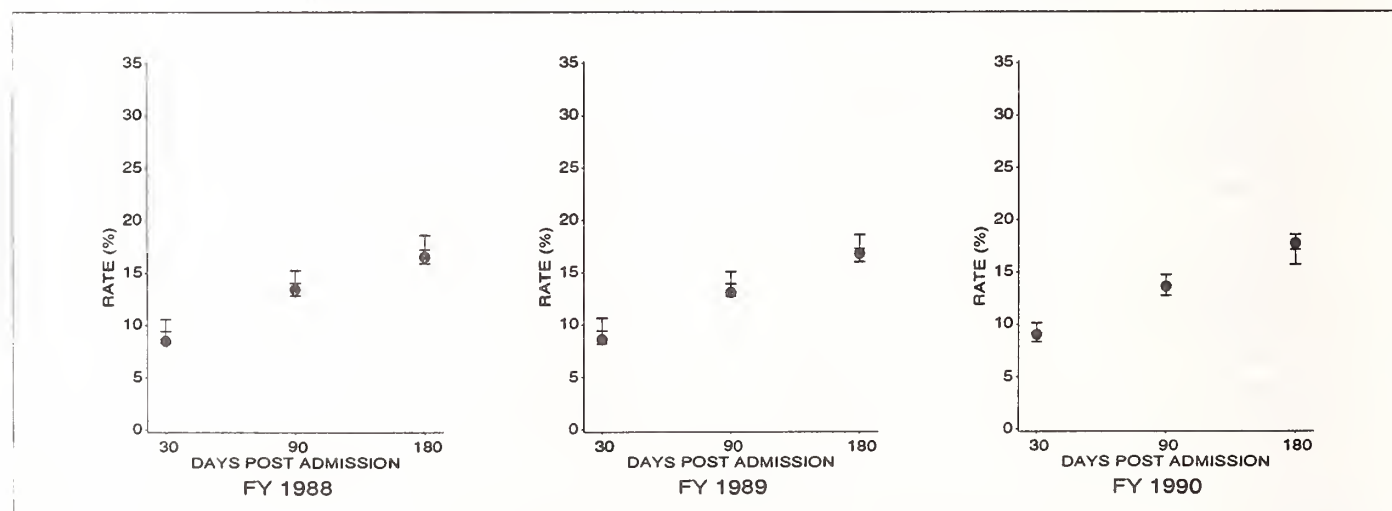
400 WABASH AVE  
AKRON, OH 44307  
Medicare Provider Number: 360027

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4823            | 9.0                 | 9.2  | 0.5   | 13.6    | 13.7 | 0.5   | 17.7     | 17.1 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 183             | 20.2                | 27.1 | 5.5   | 24.6    | 30.0 | 5.5   | 27.9     | 32.7 | 5.2   |
| Congestive Heart Failure.....              | 213             | 19.2                | 14.4 | 3.6   | 24.4    | 22.6 | 4.2   | 32.9     | 28.7 | 3.8   |
| Pneumonia/Influenza.....                   | 186             | 11.8                | 15.5 | 4.8   | 17.2    | 21.1 | 4.7   | 23.1     | 24.9 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 71              | 7.0                 | 8.6  | 4.0   | 14.1    | 14.8 | 4.7   | 23.9     | 19.1 | 6.6   |
| Transient Cerebral Ischemia.....           | 56              | 0.0                 | 2.0  | 2.4   | 1.8     | 4.4  | 3.5   | 7.1      | 7.2  | 3.6   |
| Stroke.....                                | 139             | 22.3                | 22.2 | 3.6   | 26.6    | 28.8 | 4.2   | 31.7     | 32.7 | 4.4   |
| Hip Fracture.....                          | 97              | 5.2                 | 6.9  | 3.8   | 9.3     | 12.2 | 5.2   | 12.4     | 15.9 | 6.0   |
| Sepsis.....                                | 52              | 30.8                | 30.7 | 9.5   | 36.5    | 39.1 | 9.1   | 44.2     | 44.2 | 7.4   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 55              | 0.0                 | 2.2  | 2.9   | 0.0     | 3.0  | 3.6   | 1.8      | 3.8  | 3.0   |
| Coronary Artery Bypass Graft.....          | 250             | 5.6                 | 5.1  | 1.4   | 8.0     | 7.2  | 2.0   | 9.6      | 8.1  | 2.3   |
| Initial Pacemaker Insertion.....           | 45              | 0.0                 | 2.6  | ----- | 0.0     | 5.0  | ----- | 4.4      | 7.5  | ----- |
| Carotid Endarterectomy.....                | 16              | 12.5                | 1.6  | ----- | 12.5    | 2.9  | ----- | 12.5     | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 81              | 1.2                 | 3.2  | 3.0   | 2.5     | 6.2  | 4.3   | 6.2      | 8.4  | 4.0   |
| Open Reduction of Hip Fracture.....        | 56              | 5.4                 | 6.1  | 3.4   | 10.7    | 11.1 | 5.0   | 12.5     | 14.8 | 5.8   |
| Prostatectomy.....                         | 116             | 0.0                 | 0.7  | 1.6   | 0.9     | 1.7  | 1.7   | 1.7      | 2.9  | 1.9   |
| Cholecystectomy.....                       | 98              | 2.0                 | 3.3  | 2.0   | 6.1     | 6.0  | 3.1   | 7.1      | 8.0  | 3.0   |
| Hysterectomy.....                          | 33              | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# AKRON GENERAL MEDICAL CENTER

Medicare Provider Number: 360027

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.5 years  
Proportion female..... 56.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 30.7 %  
Admitted for emergency..... 54.6 %

### COMORBIDITIES:

Cancer..... 8.6 %  
Chronic cardiovascular disease..... 36.5 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 12.0 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 5.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.1 %  
State ..... 13.7 %  
Outside State ..... 2.2 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 478  
Occupancy Rate ..... 79.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 42.3 %  
Case Mix Index (CMI) ..... 1.4689

### STAFFING:

Total Number of Physicians..... 289  
Percent of Physicians Board  
Certified Specialists ..... 84.1 %  
Medical Residents/Interns ..... 116  
Registered Nurses..... 525  
Licensed Practical Nurses ..... 133

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ALLEN MEMORIAL HOSPITAL

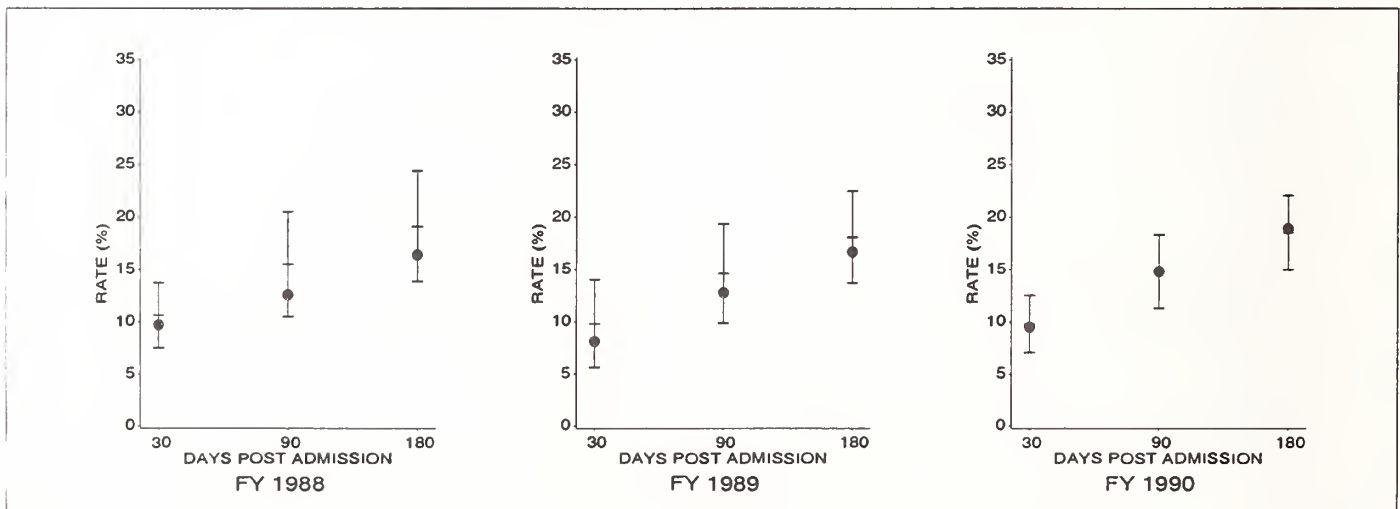
200 W LORAIN ST  
OBERLIN, OH 44074  
Medicare Provider Number: 360213

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 514             | 9.5                 | 9.8  | 1.4   | 14.8    | 14.8 | 1.8   | 18.9     | 18.5 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11              | 27.3                | 26.7 | ----- | 27.3    | 29.0 | ----- | 27.3     | 31.8 | ----- |
| Congestive Heart Failure.....              | 42              | 16.7                | 14.2 | ----- | 28.6    | 22.0 | ----- | 28.6     | 27.7 | ----- |
| Pneumonia/Influenza.....                   | 43              | 20.9                | 16.5 | ----- | 32.6    | 22.4 | ----- | 32.6     | 26.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 9.4  | ----- | 12.5    | 16.1 | ----- | 12.5     | 21.4 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.5  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.1  | ----- |
| Stroke.....                                | 21              | 4.8                 | 21.8 | ----- | 19.0    | 28.9 | ----- | 33.3     | 33.3 | ----- |
| Hip Fracture.....                          | 14              | 7.1                 | 5.9  | ----- | 7.1     | 10.4 | ----- | 14.3     | 13.2 | ----- |
| Sepsis.....                                | 7               | 57.1                | 27.9 | ----- | 57.1    | 35.9 | ----- | 57.1     | 41.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 8               | 0.0                 | 3.2  | ----- | 0.0     | 6.1  | ----- | 0.0      | 8.2  | ----- |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 5.2  | ----- | 0.0     | 9.9  | ----- | 0.0      | 12.8 | ----- |
| Prostatectomy.....                         | 16              | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.9  | ----- |
| Cholecystectomy.....                       | 11              | 0.0                 | 1.8  | ----- | 0.0     | 2.9  | ----- | 0.0      | 3.7  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ALLEN MEMORIAL HOSPITAL

Medicare Provider Number: 360213

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
Proportion female..... 55.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.6 %  
Transferred from skilled nursing facility..... 1.6 %  
Admitted for elective procedure..... 5.1 %  
Admitted for emergency..... 58.2 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 36.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 14.6 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.6%  
State ..... 10.7%  
Outside State ..... 2.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 97  
Occupancy Rate ..... 33.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 30.9 %  
Case Mix Index (CMI) ..... 1.0641

### STAFFING:

Total Number of Physicians..... 44  
Percent of Physicians Board  
Certified Specialists..... 84.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 55  
Licensed Practical Nurses ..... 31

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ALLIANCE CITY HOSPITAL

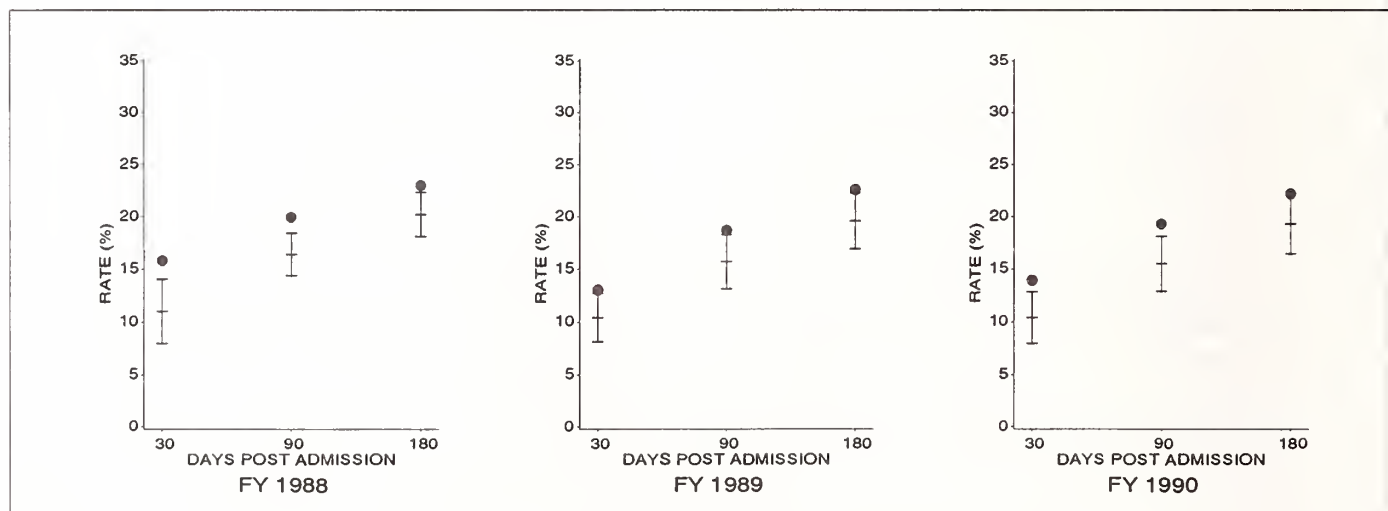
264 E RICE ST  
ALLIANCE, OH 44601  
Medicare Provider Number: 360131

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1438            | 13.9                | 10.4 | 1.2  | 19.3    | 15.5 | 1.3  | 22.2     | 19.3 | 1.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 53              | 52.8                | 31.6 | 9.9  | 56.6    | 33.6 | 10.4 | 56.6     | 36.0 | 10.2 |
| Congestive Heart Failure.....              | 77              | 11.7                | 14.2 | 4.7  | 24.7    | 21.7 | 7.1  | 31.2     | 27.4 | 6.5  |
| Pneumonia/Influenza.....                   | 65              | 24.6                | 18.2 | 7.9  | 26.2    | 25.1 | 7.4  | 29.2     | 29.5 | 7.5  |
| Chronic Obstructive Pulmonary Disease..... | 31              | 25.8                | 9.0  | ---- | 32.3    | 15.7 | ---- | 35.5     | 21.0 | ---- |
| Transient Cerebral Ischemia.....           | 19              | 0.0                 | 2.1  | ---- | 0.0     | 4.6  | ---- | 0.0      | 7.4  | ---- |
| Stroke.....                                | 64              | 34.4                | 23.4 | 11.6 | 39.1    | 30.8 | 12.4 | 40.6     | 35.2 | 12.3 |
| Hip Fracture.....                          | 51              | 5.9                 | 6.3  | 3.4  | 7.8     | 11.5 | 5.4  | 11.8     | 15.2 | 6.2  |
| Sepsis.....                                | 25              | 24.0                | 23.0 | ---- | 36.0    | 31.9 | ---- | 40.0     | 36.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 2.7  | ---- | 0.0     | 5.7  | ---- | 12.5     | 8.9  | ---- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 1.2  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.6  | ---- |
| Hip Replacement/Reconstruction.....        | 31              | 3.2                 | 5.5  | ---- | 9.7     | 10.8 | ---- | 16.1     | 14.7 | ---- |
| Open Reduction of Hip Fracture.....        | 23              | 4.3                 | 5.8  | ---- | 8.7     | 10.8 | ---- | 8.7      | 14.5 | ---- |
| Prostatectomy.....                         | 100             | 1.0                 | 0.8  | 0.9  | 2.0     | 1.9  | 1.9  | 4.0      | 3.3  | 3.0  |
| Cholecystectomy.....                       | 41              | 2.4                 | 2.1  | ---- | 4.9     | 4.1  | ---- | 4.9      | 5.8  | ---- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ALLIANCE CITY HOSPITAL

Medicare Provider Number: 360131

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.5 years |
| Proportion female.....        | 55.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 37.1 % |
| Transferred from skilled nursing facility..... | 12.2 % |
| Admitted for elective procedure.....           | 17.5 % |
| Admitted for emergency.....                    | 81.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 9.2 %  |
| Chronic cardiovascular disease..... | 40.5 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 1.8 %  |
| Chronic pulmonary disease.....      | 18.8 % |
| Cerebrovascular degeneration.....   | 2.4 %  |
| Diabetes mellitus.....              | 9.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 72.7%  |
| State .....         | 26.2%  |
| Outside State ..... | 1.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.2 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 138                 |
| Occupancy Rate .....       | 55.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 39.7 %              |
| Case Mix Index (CMI) ..... | 1.2552              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 63     |
| Percent of Physicians Board<br>Certified Specialists ..... | 68.3 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 104    |
| Licensed Practical Nurses.....                             | 67     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

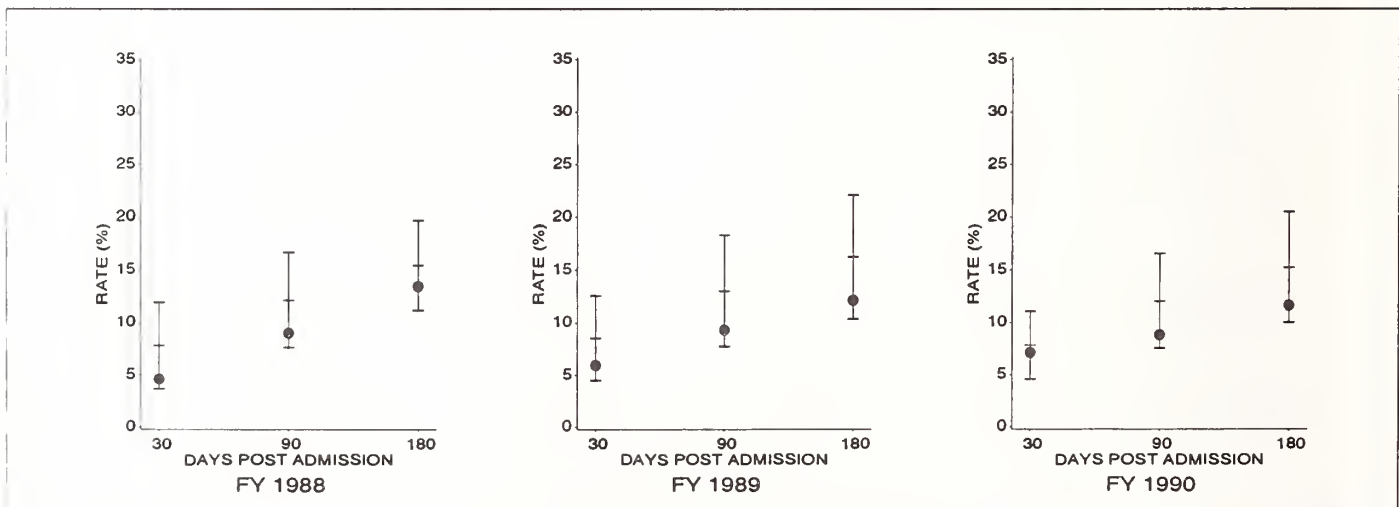
**AMHERST HOSPITAL**  
 254 CLEVELAND AVE  
 AMHERST, OH 44001  
 Medicare Provider Number: 360130

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 396             | 7.1                 | 7.8  | 1.6   | 8.8     | 12.0 | 2.3   | 11.6     | 15.2 | 2.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 20              | 25.0                | 24.7 | ----- | 25.0    | 28.1 | ----- | 30.0     | 31.5 | ----- |
| Congestive Heart Failure.....              | 33              | 12.1                | 9.8  | ----- | 12.1    | 15.9 | ----- | 18.2     | 21.4 | ----- |
| Pneumonia/Influenza.....                   | 26              | 15.4                | 10.6 | ----- | 15.4    | 14.7 | ----- | 15.4     | 17.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 7.0  | ----- | 0.0     | 12.2 | ----- | 0.0      | 16.6 | ----- |
| Transient Cerebral Ischemia.....           | 9               | 11.1                | 1.8  | ----- | 11.1    | 3.8  | ----- | 11.1     | 5.8  | ----- |
| Stroke.....                                | 14              | 7.1                 | 17.0 | ----- | 7.1     | 22.3 | ----- | 14.3     | 25.5 | ----- |
| Hip Fracture.....                          | 6               | 0.0                 | 8.2  | ----- | 0.0     | 14.0 | ----- | 0.0      | 18.0 | ----- |
| Sepsis.....                                | 3               | 33.3                | 27.6 | ----- | 66.7    | 37.0 | ----- | 66.7     | 41.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 9.6  | ----- | 0.0     | 17.3 | ----- | 0.0      | 22.2 | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 5.4  | ----- | 0.0     | 9.4  | ----- | 0.0      | 12.6 | ----- |
| Prostatectomy.....                         | 7               | 14.3                | 1.3  | ----- | 28.6    | 3.2  | ----- | 28.6     | 5.7  | ----- |
| Cholecystectomy.....                       | 16              | 0.0                 | 1.6  | ----- | 6.3     | 2.7  | ----- | 12.5     | 3.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.0  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$  SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**AMHERST HOSPITAL**  
Medicare Provider Number: 360130

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 74.0 years  
Proportion female..... 59.3 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 53.8 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 6.6 %  
Admitted for emergency..... 25.8 %

**COMORBIDITIES:**

Cancer..... 4.0 %  
Chronic cardiovascular disease..... 39.1 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 29.0 %  
Cerebrovascular degeneration..... 3.3 %  
Diabetes mellitus..... 9.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 90.6%  
State ..... 7.2%  
Outside State ..... 2.2%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 71  
Occupancy Rate ..... 33.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 26.5 %  
Case Mix Index (CMI) ..... 1.1168

**STAFFING:**

Total Number of Physicians..... 47  
Percent of Physicians Board Certified Specialists ..... 68.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 65  
Licensed Practical Nurses ..... 22

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ASHTABULA GENERAL HOSPITAL

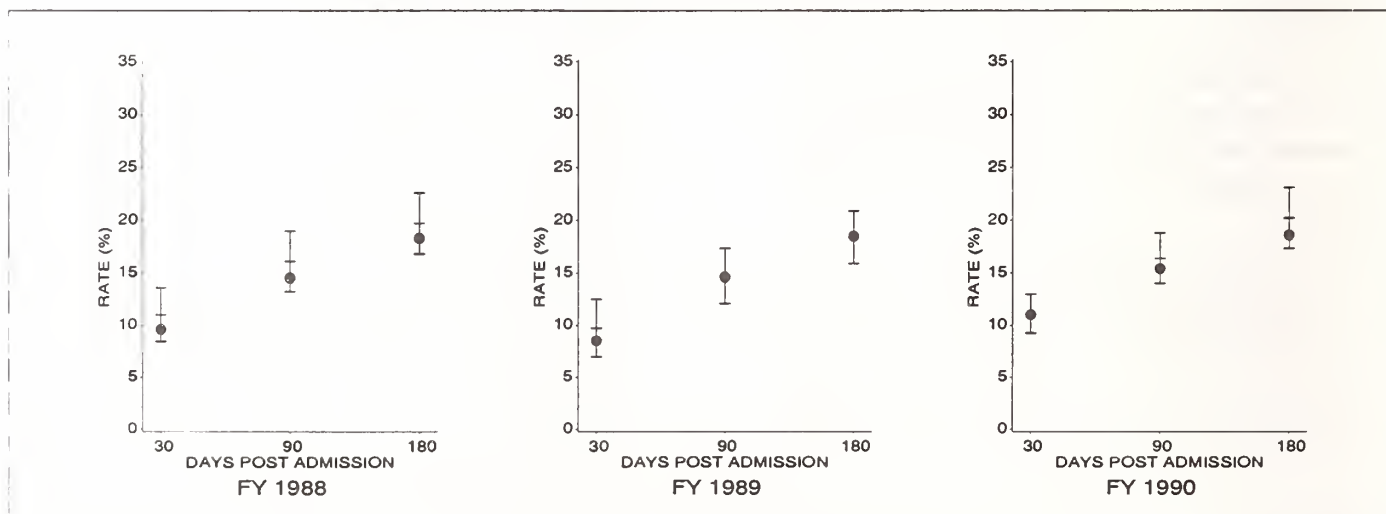
2420 LAKE AVE  
ASHTABULA, OH 44004  
Medicare Provider Number: 360125

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1359            | 11.0                | 11.1 | 0.9   | 15.4    | 16.4 | 1.2   | 18.6     | 20.2 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 45              | 33.3                | 29.4 | ----- | 37.8    | 31.9 | ----- | 40.0     | 34.4 | ----- |
| Congestive Heart Failure.....              | 86              | 17.4                | 18.0 | 5.7   | 25.6    | 28.3 | 5.9   | 33.7     | 35.3 | 7.0   |
| Pneumonia/Influenza.....                   | 86              | 17.4                | 18.1 | 5.0   | 22.1    | 24.8 | 8.1   | 26.7     | 28.9 | 7.7   |
| Chronic Obstructive Pulmonary Disease..... | 52              | 1.9                 | 10.3 | 7.2   | 11.5    | 17.7 | 7.1   | 19.2     | 22.9 | 6.6   |
| Transient Cerebral Ischemia.....           | 28              | 0.0                 | 2.3  | ----- | 0.0     | 5.1  | ----- | 0.0      | 8.1  | ----- |
| Stroke.....                                | 60              | 20.0                | 20.9 | 6.1   | 21.7    | 27.6 | 7.7   | 28.3     | 31.3 | 7.9   |
| Hip Fracture.....                          | 36              | 2.8                 | 8.1  | ----- | 5.6     | 14.2 | ----- | 11.1     | 18.1 | ----- |
| Sepsis.....                                | 35              | 28.6                | 32.4 | ----- | 42.9    | 41.7 | ----- | 45.7     | 47.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 7.6  | ----- | 0.0     | 12.5 | ----- | 0.0      | 15.9 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 15              | 0.0                 | 5.3  | ----- | 0.0     | 9.8  | ----- | 6.7      | 13.0 | ----- |
| Open Reduction of Hip Fracture.....        | 20              | 5.0                 | 8.2  | ----- | 5.0     | 14.8 | ----- | 10.0     | 18.9 | ----- |
| Prostatectomy.....                         | 36              | 5.6                 | 2.0  | ----- | 5.6     | 4.6  | ----- | 8.3      | 7.3  | ----- |
| Cholecystectomy.....                       | 17              | 0.0                 | 1.9  | ----- | 0.0     | 3.7  | ----- | 5.9      | 5.2  | ----- |
| Hysterectomy.....                          | 16              | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ASHTABULA GENERAL HOSPITAL

Medicare Provider Number: 360125

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years

Proportion female..... 57.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.1 %

Transferred from skilled nursing facility..... 10.7 %

Admitted for elective procedure..... 8.8 %

Admitted for emergency..... 89.4 %

### COMORBIDITIES:

Cancer..... 6.7 %

Chronic cardiovascular disease..... 39.0 %

Chronic liver disease..... 1.0 %

Chronic renal disease..... 7.4 %

Chronic pulmonary disease..... 18.0 %

Cerebrovascular degeneration..... 4.0 %

Diabetes mellitus..... 11.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 94.2%

State ..... 3.3%

Outside State ..... 2.5%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.8 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 143

Occupancy Rate ..... 65.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 34.7 %

Case Mix Index (CMI) ..... 1.1122

### STAFFING:

Total Number of Physicians..... 52

Percent of Physicians Board  
Certified Specialists ..... 67.3 %

Medical Residents/Interns ..... 0

Registered Nurses..... 122

Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... Yes

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

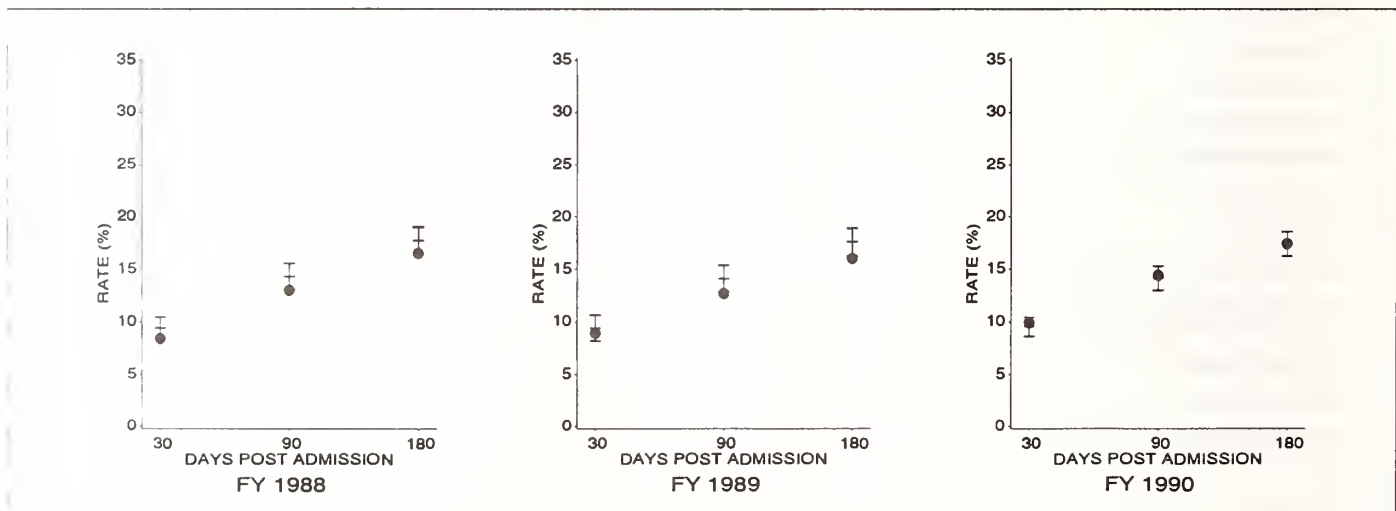
**AULTMAN HOSPITAL**  
 2600 6TH ST SW  
 CANTON, OH 44710  
 Medicare Provider Number: 360084

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5817               | 9.9                 | 9.5  | 0.5   | 14.4    | 14.1 | 0.6   | 17.4     | 17.4 | 0.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 221                | 22.2                | 27.3 | 4.8   | 26.7    | 30.2 | 4.6   | 28.5     | 32.8 | 4.1   |
| Congestive Heart Failure.....              | 272                | 22.8                | 14.4 | 3.5   | 29.0    | 22.9 | 3.5   | 38.2     | 29.2 | 4.3   |
| Pneumonia/Influenza.....                   | 249                | 17.3                | 16.7 | 2.4   | 25.3    | 22.7 | 3.9   | 28.5     | 26.5 | 3.7   |
| Chronic Obstructive Pulmonary Disease..... | 125                | 7.2                 | 9.7  | 3.0   | 12.0    | 16.3 | 4.5   | 15.2     | 20.9 | 4.7   |
| Transient Cerebral Ischemia.....           | 102                | 1.0                 | 2.0  | 1.9   | 1.0     | 4.2  | 3.4   | 3.9      | 6.6  | 3.3   |
| Stroke.....                                | 208                | 18.8                | 19.9 | 3.0   | 24.5    | 25.9 | 3.3   | 28.8     | 29.5 | 3.3   |
| Hip Fracture.....                          | 134                | 7.5                 | 7.1  | 3.3   | 10.4    | 12.6 | 4.5   | 14.2     | 16.4 | 4.9   |
| Sepsis.....                                | 60                 | 23.3                | 26.7 | 7.5   | 30.0    | 33.4 | 9.3   | 36.7     | 37.4 | 8.7   |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 72                 | 4.2                 | 5.5  | 3.2   | 5.6     | 6.7  | 3.3   | 8.3      | 7.8  | 3.3   |
| Coronary Artery Bypass Graft.....          | 131                | 7.6                 | 6.6  | 3.6   | 12.2    | 9.0  | 5.0   | 13.7     | 10.0 | 5.7   |
| Initial Pacemaker Insertion.....           | 51                 | 2.0                 | 2.5  | 2.3   | 5.9     | 4.8  | 3.3   | 5.9      | 7.0  | 3.9   |
| Carotid Endarterectomy.....                | 32                 | 0.0                 | 1.4  | ----- | 0.0     | 2.6  | ----- | 0.0      | 3.7  | ----- |
| Hip Replacement/Reconstruction.....        | 90                 | 4.4                 | 3.5  | 2.4   | 7.8     | 6.6  | 2.9   | 10.0     | 8.8  | 3.2   |
| Open Reduction of Hip Fracture.....        | 68                 | 7.4                 | 6.1  | 3.2   | 10.3    | 11.2 | 4.0   | 11.8     | 14.9 | 5.1   |
| Prostatectomy.....                         | 166                | 1.8                 | 0.9  | 1.4   | 2.4     | 2.2  | 1.5   | 3.6      | 3.7  | 1.9   |
| Cholecystectomy.....                       | 121                | 1.7                 | 2.2  | 1.4   | 3.3     | 3.9  | 1.9   | 4.1      | 5.1  | 2.3   |
| Hysterectomy.....                          | 39                 | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# AULTMAN HOSPITAL

Medicare Provider Number: 360084

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.3 years  
Proportion female..... 53.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.6 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 20.2 %  
Admitted for emergency..... 75.1 %

### COMORBIDITIES:

Cancer..... 8.5 %  
Chronic cardiovascular disease..... 44.9 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 16.0 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 80.0 %  
State..... 18.4 %  
Outside State..... 1.6 %  
Total..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.0 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 682  
Occupancy Rate..... 66.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 35.9 %  
Case Mix Index (CMI)..... 1.4254

### STAFFING:

Total Number of Physicians..... 300  
Percent of Physicians Board  
Certified Specialists..... 84.7 %  
Medical Residents/Interns..... 67  
Registered Nurses..... 583  
Licensed Practical Nurses..... 145

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... Yes  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# **BARBERTON CITIZENS HOSPITAL**

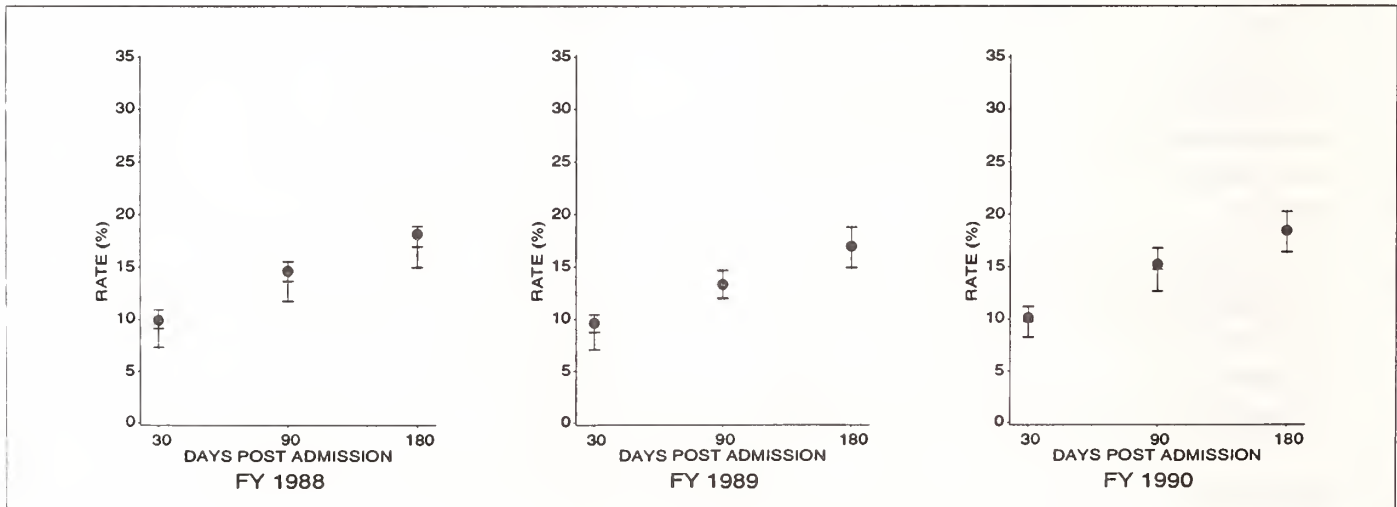
155 5TH STREET N E  
BARBERTON, OH 44203  
Medicare Provider Number: 360019

## **FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2650            | 10.1                | 9.7  | 0.7  | 15.2    | 14.7 | 1.0  | 18.4     | 18.3 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 83              | 32.5                | 26.4 | 8.5  | 37.3    | 29.9 | 8.0  | 38.6     | 32.6 | 7.3  |
| Congestive Heart Failure.....              | 157             | 18.5                | 14.9 | 5.9  | 28.0    | 23.4 | 6.0  | 33.1     | 29.4 | 6.3  |
| Pneumonia/Influenza.....                   | 101             | 18.8                | 14.5 | 4.5  | 23.8    | 20.0 | 4.8  | 27.7     | 23.5 | 5.1  |
| Chronic Obstructive Pulmonary Disease..... | 58              | 10.3                | 9.0  | 3.9  | 17.2    | 15.2 | 4.9  | 17.2     | 20.0 | 5.5  |
| Transient Cerebral Ischemia.....           | 43              | 4.7                 | 2.1  | ---- | 4.7     | 4.5  | ---- | 7.0      | 7.1  | ---- |
| Stroke.....                                | 100             | 17.0                | 17.6 | 3.9  | 24.0    | 24.7 | 4.8  | 25.0     | 28.3 | 6.1  |
| Hip Fracture.....                          | 68              | 7.4                 | 8.9  | 3.5  | 8.8     | 15.0 | 5.1  | 10.3     | 18.9 | 6.1  |
| Sepsis.....                                | 28              | 25.0                | 28.8 | ---- | 32.1    | 38.3 | ---- | 39.3     | 43.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 16              | 12.5                | 4.8  | ---- | 12.5    | 8.2  | ---- | 12.5     | 11.4 | ---- |
| Carotid Endarterectomy.....                | 21              | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 9.5      | 3.4  | ---- |
| Hip Replacement/Reconstruction.....        | 46              | 4.3                 | 5.5  | ---- | 8.7     | 9.8  | ---- | 10.9     | 12.7 | ---- |
| Open Reduction of Hip Fracture.....        | 32              | 12.5                | 9.0  | ---- | 12.5    | 15.6 | ---- | 15.6     | 19.7 | ---- |
| Prostatectomy.....                         | 86              | 0.0                 | 1.4  | 1.7  | 3.5     | 3.2  | 1.9  | 5.8      | 5.3  | 2.4  |
| Cholecystectomy.....                       | 50              | 2.0                 | 2.2  | ---- | 4.0     | 4.3  | ---- | 4.0      | 5.8  | ---- |
| Hysterectomy.....                          | 14              | 0.0                 | 2.4  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## **OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# BARBERTON CITIZENS HOSPITAL

Medicare Provider Number: 360019

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.2 years

Proportion female..... 57.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.4 %

Transferred from skilled nursing facility..... 1.1 %

Admitted for elective procedure..... 14.9 %

Admitted for emergency..... 61.7 %

### COMORBIDITIES:

Cancer..... 7.5 %

Chronic cardiovascular disease..... 48.8 %

Chronic liver disease..... 0.8 %

Chronic renal disease..... 2.3 %

Chronic pulmonary disease..... 15.7 %

Cerebrovascular degeneration..... 3.2 %

Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.6%

State ..... 15.3%

Outside State ..... 1.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.6 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 285

Occupancy Rate ..... 77.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 45.1 %

Case Mix Index (CMI) ..... 1.1750

### STAFFING:

Total Number of Physicians..... 214

Percent of Physicians Board  
Certified Specialists..... 59.3 %

Medical Residents/Interns ..... 13

Registered Nurses..... 233

Licensed Practical Nurses ..... 100

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... Yes

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BARNESVILLE HOSPITAL ASSOCIATION

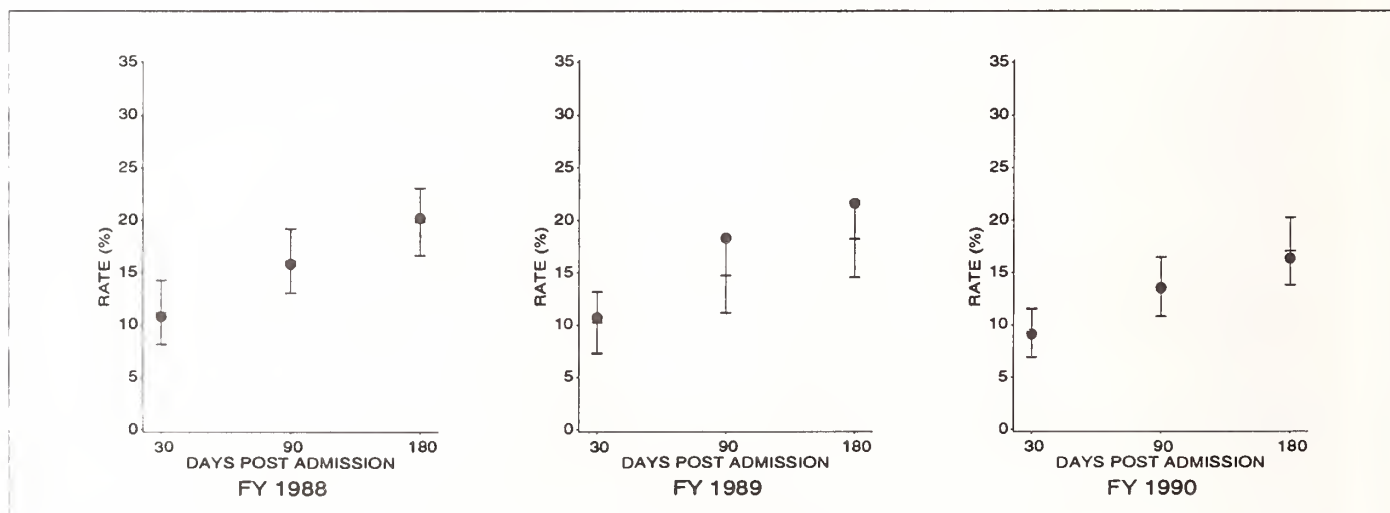
639 W MAIN ST  
BARNESVILLE, OH 43713  
Medicare Provider Number: 360154

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 711             | 9.1                 | 9.2  | 1.2   | 13.5    | 13.6 | 1.4   | 16.3     | 17.0 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 22.2                | 31.0 | ----- | 22.2    | 34.1 | ----- | 22.2     | 37.1 | ----- |
| Congestive Heart Failure.....              | 51              | 9.8                 | 14.6 | 5.7   | 25.5    | 22.6 | 6.5   | 35.3     | 28.6 | 7.5   |
| Pneumonia/Influenza.....                   | 83              | 10.8                | 16.6 | 5.0   | 15.7    | 22.5 | 5.8   | 15.7     | 26.3 | 7.1   |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 6.5  | ----- | 0.0     | 12.0 | ----- | 12.5     | 16.1 | ----- |
| Transient Cerebral Ischemia.....           | 21              | 4.8                 | 2.1  | ----- | 9.5     | 4.8  | ----- | 14.3     | 7.9  | ----- |
| Stroke.....                                | 19              | 21.1                | 20.5 | ----- | 26.3    | 24.8 | ----- | 36.8     | 28.6 | ----- |
| Hip Fracture.....                          | 14              | 14.3                | 8.5  | ----- | 14.3    | 14.2 | ----- | 14.3     | 17.7 | ----- |
| Sepsis.....                                | 5               | 20.0                | 35.5 | ----- | 40.0    | 40.5 | ----- | 40.0     | 45.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 6.4  | ----- | 0.0     | 9.3  | ----- | 0.0      | 12.7 | ----- |
| Carotid Endarterectomy.....                | 3               | 33.3                | 1.4  | ----- | 33.3    | 2.8  | ----- | 33.3     | 4.4  | ----- |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 6.4  | ----- | 0.0     | 10.8 | ----- | 0.0      | 13.1 | ----- |
| Open Reduction of Hip Fracture.....        | 7               | 14.3                | 7.9  | ----- | 14.3    | 14.3 | ----- | 14.3     | 18.6 | ----- |
| Prostatectomy.....                         | 10              | 0.0                 | 1.9  | ----- | 10.0    | 4.1  | ----- | 20.0     | 6.5  | ----- |
| Cholecystectomy.....                       | 20              | 5.0                 | 2.6  | ----- | 10.0    | 4.6  | ----- | 10.0     | 6.1  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BARNESVILLE HOSPITAL ASSOCIATION

Medicare Provider Number: 360154

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.3 years |
| Proportion female.....        | 57.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 35.6 % |
| Transferred from skilled nursing facility..... | 2.8 %  |
| Admitted for elective procedure.....           | 37.7 % |
| Admitted for emergency.....                    | 60.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.9 %  |
| Chronic cardiovascular disease..... | 42.6 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 3.9 %  |
| Chronic pulmonary disease.....      | 12.8 % |
| Cerebrovascular degeneration.....   | 2.1 %  |
| Diabetes mellitus.....              | 10.7 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 56.8%  |
| State .....         | 41.5%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.1 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 66                  |
| Occupancy Rate .....       | 56.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 55.5 %              |
| Case Mix Index (CMI) ..... | 1.0272              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 19     |
| Percent of Physicians Board<br>Certified Specialists ..... | 78.9 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 53     |
| Licensed Practical Nurses .....                            | 20     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# BELLEVUE HOSPITAL

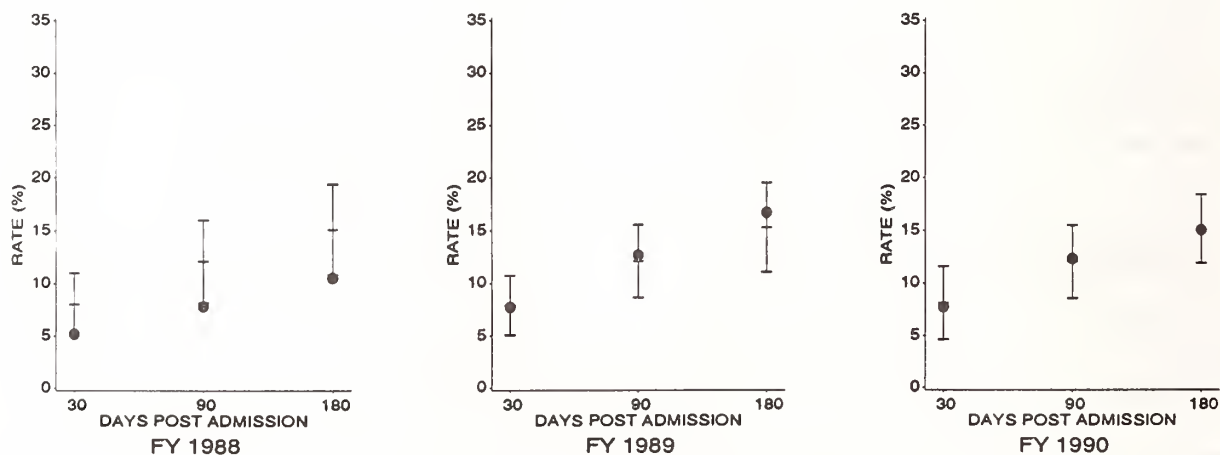
811 NORTHWEST ST  
BELLEVUE, OH 44811  
Medicare Provider Number: 360107

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 505                | 7.7                 | 8.1  | 1.7   | 12.3    | 12.0 | 1.7   | 15.0     | 15.1 | 1.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23                 | 43.5                | 23.7 | ----- | 56.5    | 26.4 | ----- | 56.5     | 28.8 | ----- |
| Congestive Heart Failure.....              | 30                 | 20.0                | 15.1 | ----- | 26.7    | 24.1 | ----- | 30.0     | 30.4 | ----- |
| Pneumonia/Influenza.....                   | 29                 | 13.8                | 12.9 | ----- | 17.2    | 17.9 | ----- | 24.1     | 21.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 10                 | 10.0                | 8.4  | ----- | 10.0    | 14.6 | ----- | 20.0     | 18.7 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 1.3  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.5  | ----- |
| Stroke.....                                | 12                 | 16.7                | 15.1 | ----- | 16.7    | 20.0 | ----- | 16.7     | 23.2 | ----- |
| Hip Fracture.....                          | 10                 | 0.0                 | 6.9  | ----- | 0.0     | 13.1 | ----- | 0.0      | 18.1 | ----- |
| Sepsis.....                                | 8                  | 25.0                | 39.0 | ----- | 37.5    | 47.1 | ----- | 50.0     | 51.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4                  | 0.0                 | 1.5  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.9  | ----- |
| Carotid Endarterectomy.....                | 5                  | 0.0                 | 1.3  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 3                  | 0.0                 | 5.3  | ----- | 0.0     | 10.3 | ----- | 0.0      | 13.9 | ----- |
| Open Reduction of Hip Fracture.....        | 8                  | 0.0                 | 5.7  | ----- | 0.0     | 11.4 | ----- | 0.0      | 16.3 | ----- |
| Prostatectomy.....                         | 8                  | 0.0                 | 1.0  | ----- | 0.0     | 2.1  | ----- | 12.5     | 3.6  | ----- |
| Cholecystectomy.....                       | 9                  | 0.0                 | 2.2  | ----- | 0.0     | 4.5  | ----- | 0.0      | 6.6  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BELLEVUE HOSPITAL

Medicare Provider Number: 360107

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years  
Proportion female..... 54.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.8 %  
Transferred from skilled nursing facility..... 1.6 %  
Admitted for elective procedure..... 32.3 %  
Admitted for emergency..... 46.5 %

### COMORBIDITIES:

Cancer..... 4.6 %  
Chronic cardiovascular disease..... 25.7 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 13.7 %  
Cerebrovascular degeneration..... 4.4 %  
Diabetes mellitus..... 4.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 59.8%  
State ..... 38.8%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 55  
Occupancy Rate ..... 49.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 42.6 %  
Case Mix Index (CMI) ..... 1.0632

### STAFFING:

Total Number of Physicians..... 20  
Percent of Physicians Board  
Certified Specialists..... 90.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 47  
Licensed Practical Nurses..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

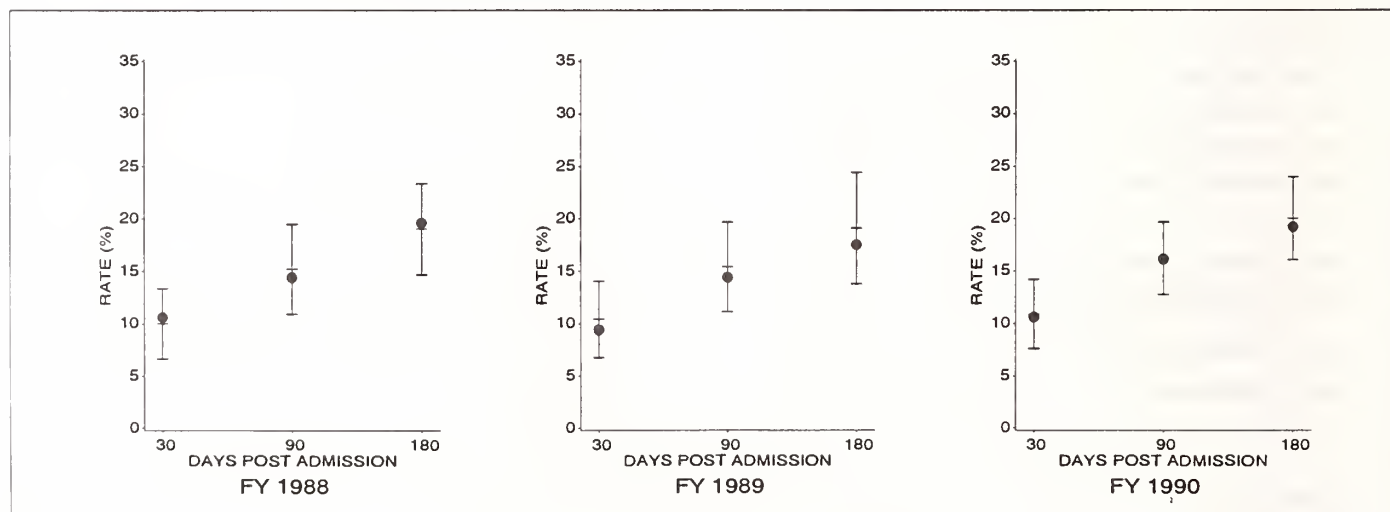
**BERGER HOSPITAL**  
600N PICKAWAY ST  
CIRCLEVILLE, OH 43113  
Medicare Provider Number: 360170

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 453                | 10.6                | 10.9 | 1.7   | 16.1    | 16.2 | 1.7   | 19.2     | 20.0 | 2.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16                 | 25.0                | 35.8 | ----- | 37.5    | 38.8 | ----- | 37.5     | 41.7 | ----- |
| Congestive Heart Failure.....              | 32                 | 12.5                | 15.5 | ----- | 15.6    | 24.2 | ----- | 21.9     | 30.4 | ----- |
| Pneumonia/Influenza.....                   | 22                 | 27.3                | 18.3 | ----- | 31.8    | 25.3 | ----- | 31.8     | 29.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 26                 | 7.7                 | 10.5 | ----- | 15.4    | 17.5 | ----- | 19.2     | 22.5 | ----- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 2.4  | ----- | 0.0     | 5.5  | ----- | 0.0      | 9.2  | ----- |
| Stroke.....                                | 20                 | 35.0                | 22.8 | ----- | 40.0    | 28.5 | ----- | 40.0     | 31.9 | ----- |
| Hip Fracture.....                          | 23                 | 4.3                 | 7.6  | ----- | 13.0    | 13.6 | ----- | 17.4     | 17.7 | ----- |
| Sepsis.....                                | 2                  | 50.0                | 31.1 | ----- | 50.0    | 40.1 | ----- | 50.0     | 47.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 15                 | 6.7                 | 8.8  | ----- | 20.0    | 15.8 | ----- | 20.0     | 20.4 | ----- |
| Open Reduction of Hip Fracture.....        | 8                  | 0.0                 | 5.6  | ----- | 0.0     | 10.4 | ----- | 12.5     | 14.0 | ----- |
| Prostatectomy.....                         | 8                  | 0.0                 | 1.4  | ----- | 0.0     | 3.6  | ----- | 0.0      | 6.0  | ----- |
| Cholecystectomy.....                       | 6                  | 0.0                 | 2.5  | ----- | 0.0     | 4.7  | ----- | 0.0      | 6.1  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**BERGER HOSPITAL**  
Medicare Provider Number: 360170

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.1 years  
Proportion female..... 58.5 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 22.3 %  
Transferred from skilled nursing facility..... 11.3 %  
Admitted for elective procedure..... 1.1 %  
Admitted for emergency..... 95.1 %

**COMORBIDITIES:**

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 42.4 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 18.3 %  
Cerebrovascular degeneration..... 3.3 %  
Diabetes mellitus..... 11.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 78.5%  
State ..... 20.6%  
Outside State ..... 0.9%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

**PROFILE:**

Total Beds ..... 46  
Occupancy Rate ..... 39.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 50.5 %  
Case Mix Index (CMI) ..... 1.0585

**STAFFING:**

Total Number of Physicians..... 22  
Percent of Physicians Board  
Certified Specialists ..... 40.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 34  
Licensed Practical Nurses ..... 7

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BETHESDA HOSPITAL

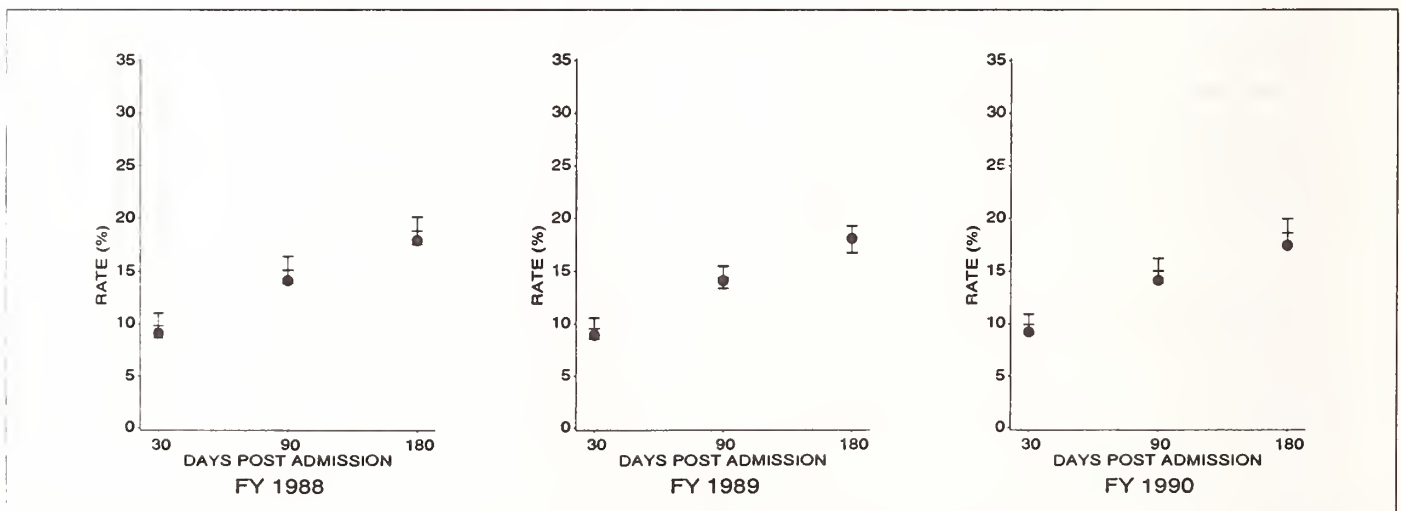
619 OAK STREET  
CINCINNATI, OH 45206  
Medicare Provider Number: 360179

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5876            | 9.2                 | 9.9  | 0.5   | 14.1    | 15.0 | 0.6   | 17.4     | 18.6 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 190             | 28.9                | 26.1 | 6.6   | 33.7    | 28.9 | 6.9   | 36.8     | 31.5 | 6.7   |
| Congestive Heart Failure.....              | 338             | 12.1                | 14.8 | 2.3   | 22.8    | 23.2 | 2.8   | 27.5     | 29.2 | 2.9   |
| Pneumonia/Influenza.....                   | 356             | 16.6                | 17.9 | 2.7   | 22.2    | 24.5 | 4.0   | 26.4     | 28.9 | 4.2   |
| Chronic Obstructive Pulmonary Disease..... | 105             | 9.5                 | 7.4  | 4.5   | 17.1    | 13.0 | 6.4   | 25.7     | 17.6 | 6.5   |
| Transient Cerebral Ischemia.....           | 124             | 3.2                 | 1.9  | 1.7   | 6.5     | 4.1  | 2.5   | 8.1      | 6.4  | 2.7   |
| Stroke.....                                | 244             | 16.4                | 21.6 | 3.9   | 22.5    | 28.4 | 3.6   | 28.3     | 32.3 | 3.8   |
| Hip Fracture.....                          | 173             | 4.6                 | 7.1  | 2.9   | 7.5     | 12.4 | 3.5   | 9.8      | 16.1 | 4.0   |
| Sepsis.....                                | 67              | 23.9                | 28.6 | 10.0  | 34.3    | 38.9 | 10.7  | 40.3     | 44.2 | 10.8  |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 6               | 0.0                 | 6.1  | ----- | 0.0     | 7.1  | ----- | 0.0      | 8.1  | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 59              | 1.7                 | 3.7  | 3.0   | 5.1     | 7.2  | 4.3   | 6.8      | 10.5 | 5.4   |
| Carotid Endarterectomy.....                | 27              | 0.0                 | 1.3  | ----- | 3.7     | 2.5  | ----- | 3.7      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 112             | 1.8                 | 4.6  | 3.4   | 4.5     | 8.3  | 4.9   | 7.1      | 10.9 | 4.6   |
| Open Reduction of Hip Fracture.....        | 55              | 3.6                 | 6.6  | 4.0   | 5.5     | 11.7 | 5.7   | 7.3      | 15.5 | 7.0   |
| Prostatectomy.....                         | 196             | 0.5                 | 1.2  | 1.0   | 1.5     | 2.8  | 1.6   | 4.1      | 4.7  | 1.8   |
| Cholecystectomy.....                       | 146             | 3.4                 | 2.4  | 1.7   | 4.8     | 4.4  | 2.2   | 6.2      | 5.7  | 2.3   |
| Hysterectomy.....                          | 33              | 0.0                 | 0.4  | ----- | 3.0     | 0.9  | ----- | 3.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**BETHESDA HOSPITAL**  
Medicare Provider Number: 360179

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 74.6 years  
Proportion female..... 58.7 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 40.2 %  
Transferred from skilled nursing facility..... 8.5 %  
Admitted for elective procedure..... 15.3 %  
Admitted for emergency..... 78.4 %

**COMORBIDITIES:**

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 36.5 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 16.3 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 8.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 63.6%  
State ..... 31.6%  
Outside State ..... 4.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 8.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

**PROFILE:**

Total Beds ..... 763  
Ownership/Control..... Church  
Case Mix Index (CMI) ..... 1.2670

**STAFFING:**

Medical Residents/Interns ..... 27  
Registered Nurses ..... 586  
Licensed Practical Nurses ..... 115

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... Yes  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BETHESDA HOSPITAL ASSOCIATION

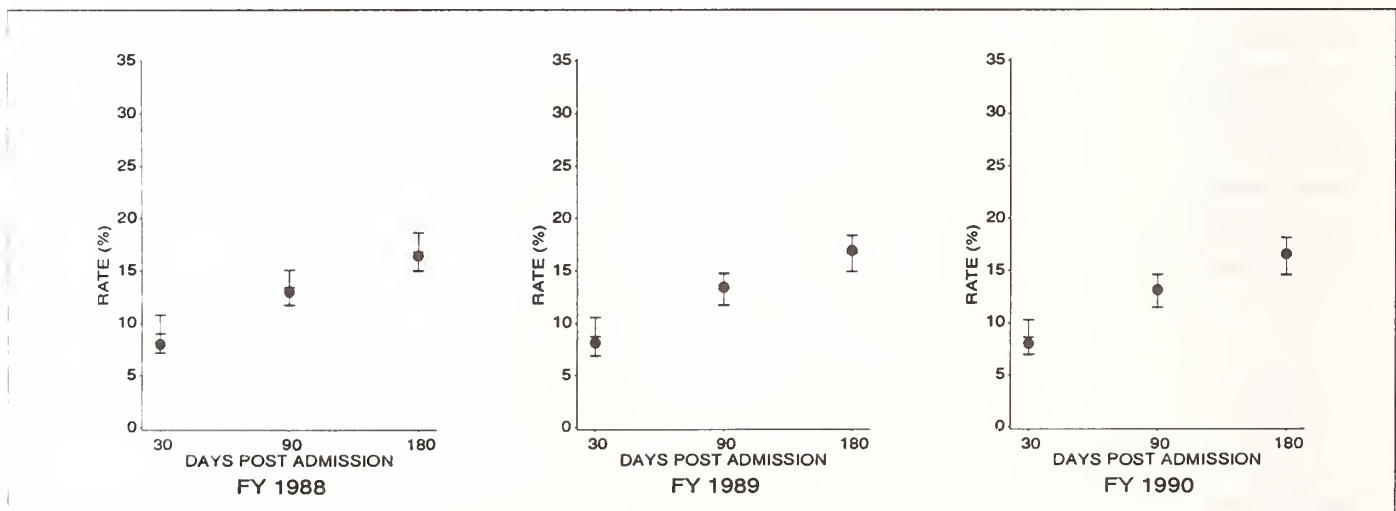
2951 MAPLE AVE  
ZANESVILLE, OH 43701  
Medicare Provider Number: 360193

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2023            | 8.0                 | 8.6  | 0.8  | 13.1    | 13.0 | 0.8  | 16.5     | 16.3 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 75              | 21.3                | 29.5 | 10.4 | 26.7    | 32.4 | 10.3 | 29.3     | 35.2 | 10.5 |
| Congestive Heart Failure.....              | 102             | 16.7                | 15.0 | 4.0  | 30.4    | 24.0 | 6.9  | 35.3     | 30.3 | 7.4  |
| Pneumonia/Influenza.....                   | 180             | 13.9                | 13.7 | 2.6  | 17.8    | 18.8 | 3.3  | 20.6     | 22.5 | 3.8  |
| Chronic Obstructive Pulmonary Disease..... | 47              | 10.6                | 8.2  | ---- | 10.6    | 14.2 | ---- | 12.8     | 18.9 | ---- |
| Transient Cerebral Ischemia.....           | 33              | 3.0                 | 2.0  | ---- | 9.1     | 4.7  | ---- | 12.1     | 7.5  | ---- |
| Stroke.....                                | 74              | 21.6                | 22.1 | 7.5  | 36.5    | 28.4 | 7.8  | 40.5     | 32.3 | 8.2  |
| Hip Fracture.....                          | 44              | 6.8                 | 6.5  | ---- | 15.9    | 11.5 | ---- | 15.9     | 15.0 | ---- |
| Sepsis.....                                | 10              | 20.0                | 19.8 | ---- | 40.0    | 26.3 | ---- | 40.0     | 31.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 19              | 10.5                | 4.1  | ---- | 15.8    | 8.4  | ---- | 15.8     | 12.1 | ---- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 0.8  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.5  | ---- |
| Hip Replacement/Reconstruction.....        | 20              | 0.0                 | 3.1  | ---- | 15.0    | 5.7  | ---- | 15.0     | 7.7  | ---- |
| Open Reduction of Hip Fracture.....        | 11              | 0.0                 | 5.1  | ---- | 9.1     | 9.4  | ---- | 9.1      | 12.7 | ---- |
| Prostatectomy.....                         | 38              | 0.0                 | 1.0  | ---- | 2.6     | 2.4  | ---- | 7.9      | 4.2  | ---- |
| Cholecystectomy.....                       | 38              | 0.0                 | 1.6  | ---- | 0.0     | 3.1  | ---- | 5.3      | 4.2  | ---- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.3  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$ 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BETHESDA HOSPITAL ASSOCIATION

Medicare Provider Number: 360193

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.1 years |
| Proportion female.....        | 56.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 37.8 % |
| Transferred from skilled nursing facility..... | 0.1 %  |
| Admitted for elective procedure.....           | 15.9 % |
| Admitted for emergency.....                    | 24.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.4 %  |
| Chronic cardiovascular disease..... | 34.3 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 2.5 %  |
| Chronic pulmonary disease.....      | 13.8 % |
| Cerebrovascular degeneration.....   | 5.6 %  |
| Diabetes mellitus.....              | 7.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 63.2%  |
| State .....         | 35.8%  |
| Outside State ..... | 1.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.7 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 260                 |
| Occupancy Rate .....       | 55.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 31.9 %              |
| Case Mix Index (CMI) ..... | 1.2103              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 126    |
| Percent of Physicians Board<br>Certified Specialists ..... | 77.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 293    |
| Licensed Practical Nurses .....                            | 53     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# BLANCHARD VALLEY HOSPITAL

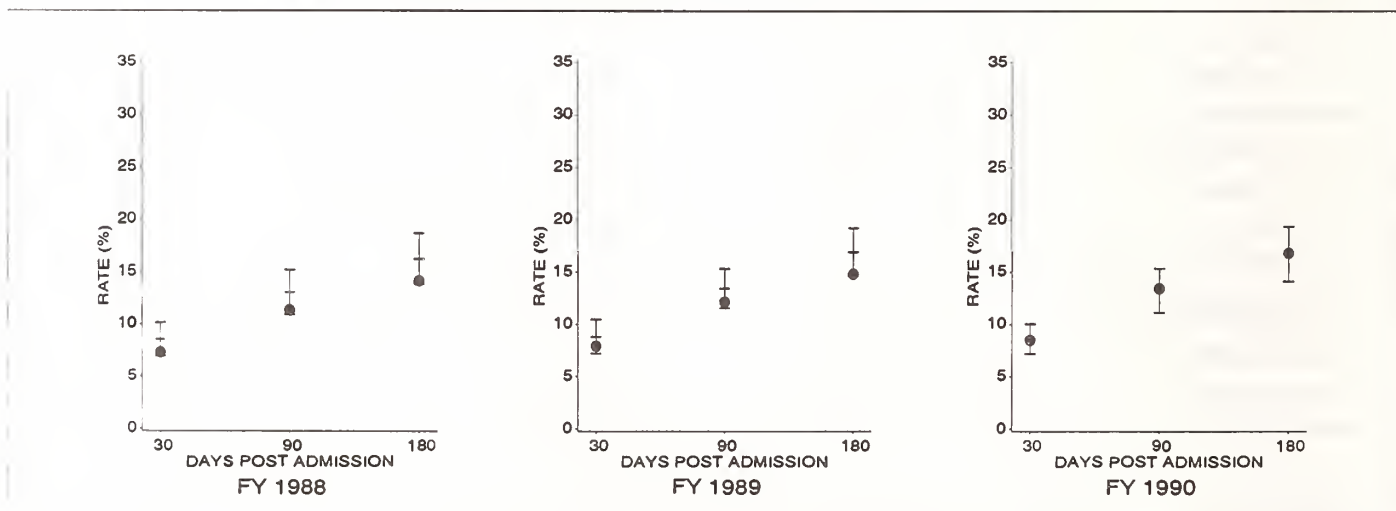
145 W WALLACE  
FINDLAY, OH 45840  
Medicare Provider Number: 360095

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1905            | 8.5                 | 8.6  | 0.7  | 13.4    | 13.2 | 1.1  | 16.8     | 16.7 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 65              | 26.2                | 30.3 | 7.6  | 33.8    | 33.5 | 8.4  | 40.0     | 36.5 | 7.7  |
| Congestive Heart Failure.....              | 105             | 17.1                | 14.5 | 4.1  | 24.8    | 22.7 | 4.5  | 29.5     | 29.0 | 4.5  |
| Pneumonia/Influenza.....                   | 98              | 17.3                | 14.9 | 4.5  | 24.5    | 20.5 | 5.5  | 27.6     | 24.3 | 5.1  |
| Chronic Obstructive Pulmonary Disease..... | 35              | 28.6                | 8.4  | ---- | 37.1    | 14.7 | ---- | 42.9     | 19.3 | ---- |
| Transient Cerebral Ischemia.....           | 23              | 0.0                 | 1.8  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.3  | ---- |
| Stroke.....                                | 81              | 21.0                | 18.2 | 4.7  | 32.1    | 24.4 | 7.4  | 34.6     | 28.4 | 8.7  |
| Hip Fracture.....                          | 62              | 9.7                 | 7.2  | 4.9  | 12.9    | 12.8 | 5.1  | 12.9     | 16.5 | 6.8  |
| Sepsis.....                                | 16              | 18.8                | 19.5 | ---- | 43.8    | 26.7 | ---- | 43.8     | 31.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 2.7  | ---- | 0.0     | 5.5  | ---- | 7.7      | 8.7  | ---- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 1.2  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.6  | ---- |
| Hip Replacement/Reconstruction.....        | 48              | 4.2                 | 3.0  | ---- | 4.2     | 5.4  | ---- | 4.2      | 7.3  | ---- |
| Open Reduction of Hip Fracture.....        | 34              | 11.8                | 6.9  | ---- | 14.7    | 12.7 | ---- | 14.7     | 16.7 | ---- |
| Prostatectomy.....                         | 63              | 0.0                 | 0.9  | 1.3  | 0.0     | 2.2  | 2.2  | 1.6      | 3.8  | 2.8  |
| Cholecystectomy.....                       | 48              | 6.3                 | 2.5  | ---- | 8.3     | 4.4  | ---- | 8.3      | 5.7  | ---- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BLANCHARD VALLEY HOSPITAL

Medicare Provider Number: 360095

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.8 years  
Proportion female..... 57.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.4 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 4.6 %  
Admitted for emergency..... 46.3 %

### COMORBIDITIES:

Cancer..... 9.3 %  
Chronic cardiovascular disease..... 35.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 14.1 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 70.8%  
State ..... 28.4%  
Outside State ..... 0.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 181  
Occupancy Rate ..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 35.6 %  
Case Mix Index (CMI) ..... 1.2556

### STAFFING:

Total Number of Physicians..... 88  
Percent of Physicians Board  
Certified Specialists..... 67.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 170  
Licensed Practical Nurses ..... 55

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BLUFFTON COMMUNITY HOSPITAL

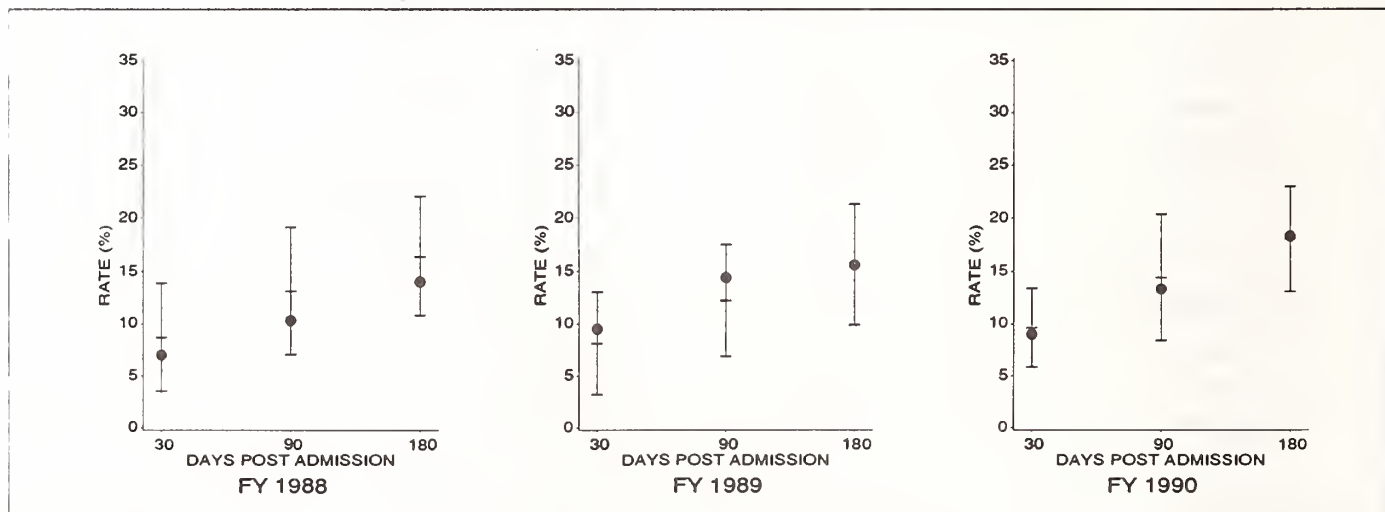
139 GARAU ST  
BLUFFTON, OH 45817  
Medicare Provider Number: 360169

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 301             | 9.0                 | 9.6  | 1.9  | 13.3    | 14.4 | 3.0  | 18.3     | 18.0 | 2.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 17              | 29.4                | 22.7 | ---- | 29.4    | 25.8 | ---- | 29.4     | 28.6 | ---- |
| Congestive Heart Failure.....              | 29              | 13.8                | 14.5 | ---- | 27.6    | 23.0 | ---- | 37.9     | 29.4 | ---- |
| Pneumonia/Influenza.....                   | 29              | 24.1                | 15.7 | ---- | 27.6    | 22.2 | ---- | 34.5     | 26.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 10.1 | ---- | 0.0     | 18.1 | ---- | 0.0      | 23.7 | ---- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.6  | ---- | 12.5    | 3.7  | ---- | 12.5     | 6.1  | ---- |
| Stroke.....                                | 12              | 0.0                 | 15.6 | ---- | 16.7    | 20.3 | ---- | 16.7     | 24.1 | ---- |
| Hip Fracture.....                          | 2               | 0.0                 | 6.5  | ---- | 0.0     | 10.1 | ---- | 0.0      | 13.1 | ---- |
| Sepsis.....                                | 4               | 50.0                | 27.4 | ---- | 50.0    | 35.3 | ---- | 50.0     | 40.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 4.5  | ---- | 0.0     | 8.3  | ---- | 0.0      | 11.0 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 10              | 0.0                 | 4.0  | ---- | 0.0     | 8.5  | ---- | 10.0     | 12.1 | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BLUFFTON COMMUNITY HOSPITAL

Medicare Provider Number: 360169

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.6 years  
Proportion female..... 63.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 40.2 %

### COMORBIDITIES:

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 41.9 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 17.9 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 50.6%  
State ..... 47.3%  
Outside State ..... 2.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 42  
Occupancy Rate ..... 35.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 33.5 %  
Case Mix Index (CMI) ..... 1.0335

### STAFFING:

Total Number of Physicians..... 8  
Percent of Physicians Board  
Certified Specialists..... 37.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 28  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

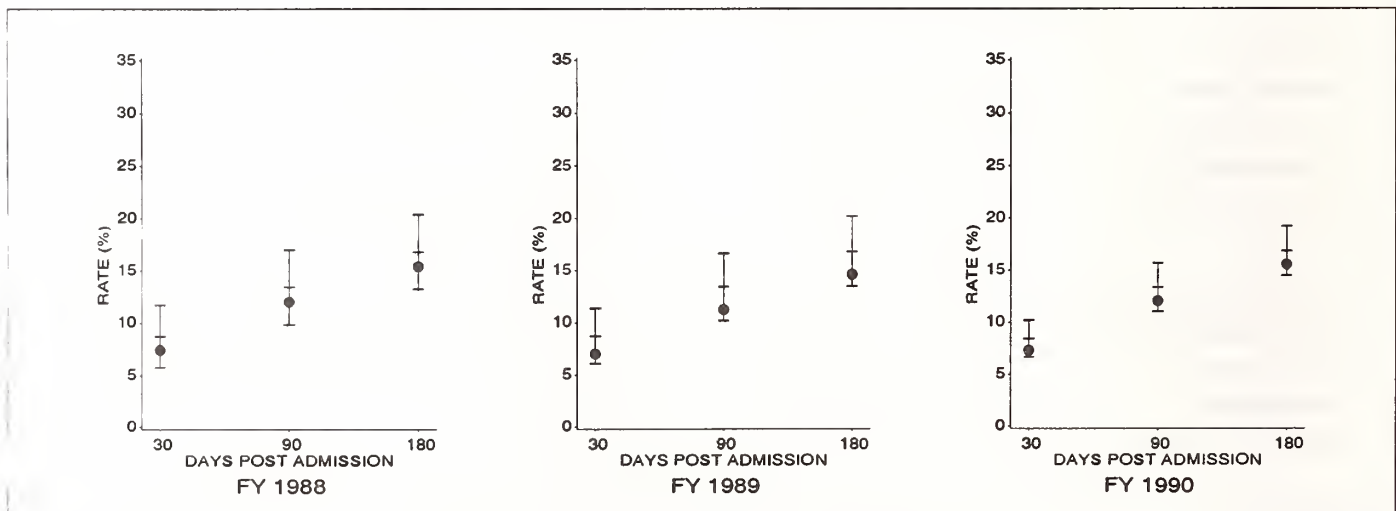
**BRENTWOOD HOSPITAL**  
 4110 WARRENSVILLE CENTER RD  
 WARRENSVILLE HEIGHTS, OH 44122  
 Medicare Provider Number: 360122

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1246            | 7.3                 | 8.4  | 0.9   | 12.0    | 13.3 | 1.2   | 15.5     | 16.8 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 37.0                | 27.8 | ----- | 44.4    | 31.1 | ----- | 48.1     | 33.7 | ----- |
| Congestive Heart Failure.....              | 71              | 5.6                 | 13.7 | 6.0   | 14.1    | 22.0 | 6.5   | 19.7     | 27.7 | 6.9   |
| Pneumonia/Influenza.....                   | 50              | 16.0                | 14.4 | ----- | 20.0    | 20.1 | ----- | 26.0     | 23.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 19              | 5.3                 | 7.3  | ----- | 5.3     | 12.5 | ----- | 10.5     | 16.7 | ----- |
| Transient Cerebral Ischemia.....           | 26              | 0.0                 | 1.5  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.2  | ----- |
| Stroke.....                                | 44              | 9.1                 | 15.7 | ----- | 20.5    | 21.7 | ----- | 22.7     | 25.1 | ----- |
| Hip Fracture.....                          | 12              | 8.3                 | 6.5  | ----- | 8.3     | 12.2 | ----- | 8.3      | 16.3 | ----- |
| Sepsis.....                                | 17              | 35.3                | 24.4 | ----- | 41.2    | 32.3 | ----- | 41.2     | 36.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 20.0                | 1.6  | ----- | 20.0    | 2.9  | ----- | 20.0     | 4.2  | ----- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 2.8  | ----- | 0.0     | 5.1  | ----- | 0.0      | 7.0  | ----- |
| Hip Replacement/Reconstruction.....        | 17              | 0.0                 | 3.1  | ----- | 5.9     | 6.1  | ----- | 5.9      | 8.3  | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 50.0                | 8.8  | ----- | 50.0    | 16.9 | ----- | 50.0     | 24.0 | ----- |
| Prostatectomy.....                         | 31              | 0.0                 | 1.4  | ----- | 3.2     | 3.3  | ----- | 6.5      | 5.6  | ----- |
| Cholecystectomy.....                       | 25              | 0.0                 | 5.4  | ----- | 8.0     | 11.5 | ----- | 12.0     | 16.6 | ----- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# BRENTWOOD HOSPITAL

Medicare Provider Number: 360122

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.5 years |
| Proportion female.....        | 57.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 37.2 % |
| Transferred from skilled nursing facility..... | 3.3 %  |
| Admitted for elective procedure.....           | 12.4 % |
| Admitted for emergency.....                    | 59.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.6 %  |
| Chronic cardiovascular disease..... | 31.5 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 2.8 %  |
| Chronic pulmonary disease.....      | 28.3 % |
| Cerebrovascular degeneration.....   | 6.8 %  |
| Diabetes mellitus.....              | 10.1 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 75.5%  |
| State .....         | 23.3%  |
| Outside State ..... | 1.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.1 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 162                 |
| Occupancy Rate .....       | 54.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 42.6 %              |
| Case Mix Index (CMI) ..... | 1.2991              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 112    |
| Percent of Physicians Board<br>Certified Specialists ..... | 95.5 % |
| Medical Residents/Interns .....                            | 34     |
| Registered Nurses.....                                     | 122    |
| Licensed Practical Nurses .....                            | 72     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# BROWN COUNTY HOSPITAL

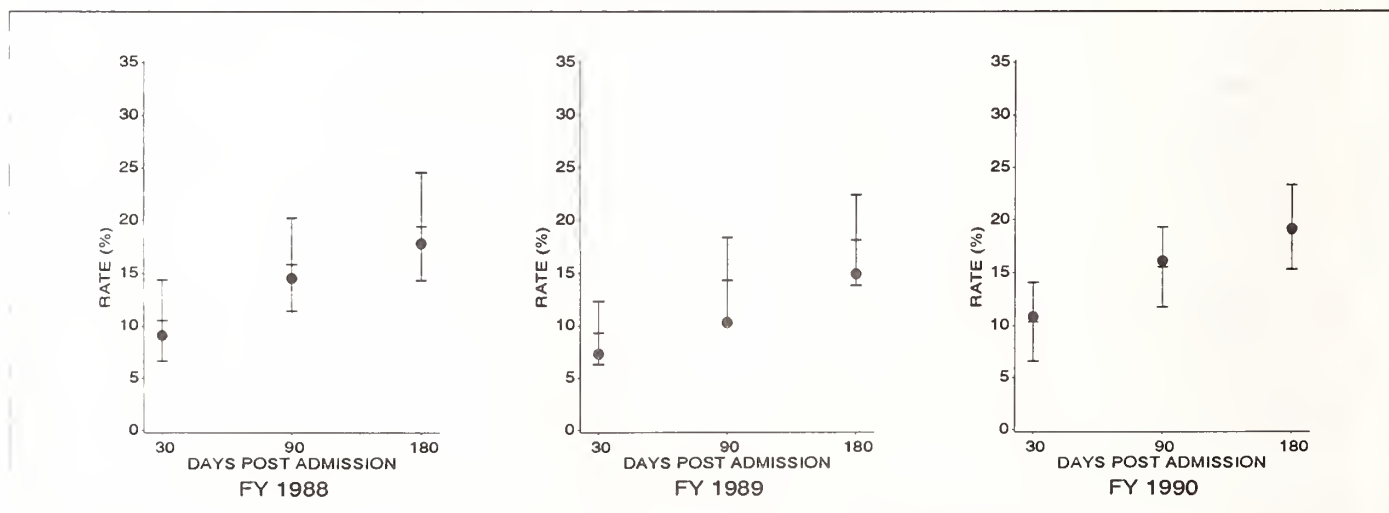
HOME ST  
GEORGETOWN, OH 45121  
Medicare Provider Number: 360116

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 545                | 10.8                | 10.3 | 1.9  | 16.1    | 15.5 | 1.9  | 19.1     | 19.3 | 2.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 26                 | 26.9                | 24.9 | ---- | 26.9    | 28.1 | ---- | 26.9     | 31.0 | ---- |
| Congestive Heart Failure.....              | 47                 | 21.3                | 16.3 | ---- | 34.0    | 25.4 | ---- | 46.8     | 31.9 | ---- |
| Pneumonia/Influenza.....                   | 47                 | 14.9                | 15.6 | ---- | 19.1    | 21.5 | ---- | 23.4     | 25.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 20                 | 5.0                 | 5.0  | ---- | 15.0    | 9.4  | ---- | 20.0     | 13.0 | ---- |
| Transient Cerebral Ischemia.....           | 15                 | 6.7                 | 4.1  | ---- | 13.3    | 8.8  | ---- | 26.7     | 12.8 | ---- |
| Stroke.....                                | 18                 | 16.7                | 24.0 | ---- | 16.7    | 30.4 | ---- | 16.7     | 34.4 | ---- |
| Hip Fracture.....                          | 9                  | 11.1                | 10.5 | ---- | 11.1    | 17.6 | ---- | 11.1     | 22.0 | ---- |
| Sepsis.....                                | 3                  | 0.0                 | 10.2 | ---- | 0.0     | 13.6 | ---- | 0.0      | 17.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 8                  | 12.5                | 9.7  | ---- | 12.5    | 16.6 | ---- | 12.5     | 21.2 | ---- |
| Prostatectomy.....                         | 9                  | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.4  | ---- |
| Cholecystectomy.....                       | 10                 | 0.0                 | 2.2  | ---- | 0.0     | 4.0  | ---- | 0.0      | 4.9  | ---- |
| Hysterectomy.....                          | 6                  | 0.0                 | 0.6  | ---- | 0.0     | 1.2  | ---- | 0.0      | 2.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BROWN COUNTY HOSPITAL

Medicare Provider Number: 360116

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 3.9 %  
Admitted for emergency..... 95.6 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 35.8 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 3.7 %  
Chronic pulmonary disease..... 14.3 %  
Cerebrovascular degeneration..... 5.0 %  
Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.2%  
State ..... 19.9%  
Outside State ..... 0.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 58  
Occupancy Rate ..... 46.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 42.5 %  
Case Mix Index (CMI) ..... 1.0580

### STAFFING:

Total Number of Physicians..... 19  
Percent of Physicians Board  
Certified Specialists..... 63.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 48  
Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BROWN MEMORIAL HOSPITAL

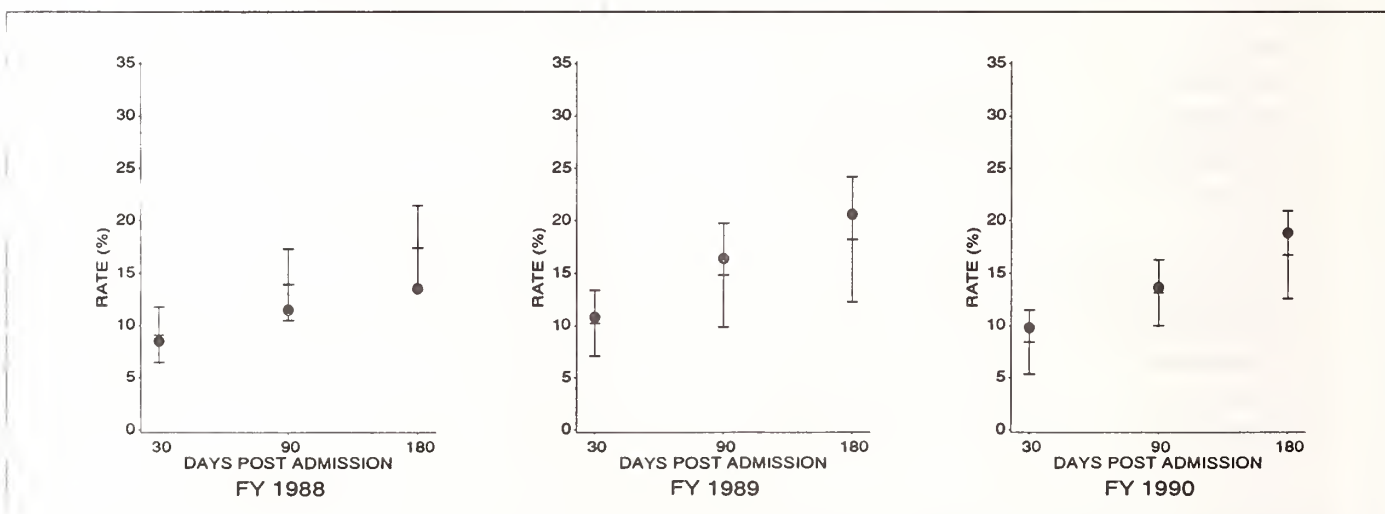
158 W MAIN RD  
CONNEAUT, OH 44030  
Medicare Provider Number: 360042

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 500                | 9.8                 | 8.4  | 1.5  | 13.6    | 13.1 | 1.6  | 18.8     | 16.7 | 2.1  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 19                 | 21.1                | 16.5 | ---- | 21.1    | 21.0 | ---- | 36.8     | 24.5 | ---- |
| Congestive Heart Failure.....              | 28                 | 10.7                | 11.6 | ---- | 14.3    | 18.7 | ---- | 17.9     | 24.8 | ---- |
| Pneumonia/Influenza.....                   | 33                 | 21.2                | 15.3 | ---- | 30.3    | 22.1 | ---- | 39.4     | 26.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 12                 | 8.3                 | 6.3  | ---- | 8.3     | 12.3 | ---- | 33.3     | 16.8 | ---- |
| Transient Cerebral Ischemia.....           | 15                 | 6.7                 | 1.6  | ---- | 6.7     | 3.6  | ---- | 13.3     | 5.8  | ---- |
| Stroke.....                                | 21                 | 28.6                | 17.2 | ---- | 33.3    | 23.5 | ---- | 38.1     | 27.5 | ---- |
| Hip Fracture.....                          | 10                 | 10.0                | 5.4  | ---- | 20.0    | 9.6  | ---- | 30.0     | 12.7 | ---- |
| Sepsis.....                                | 11                 | 27.3                | 20.5 | ---- | 27.3    | 27.6 | ---- | 27.3     | 31.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7                  | 14.3                | 4.4  | ---- | 14.3    | 8.1  | ---- | 14.3     | 10.8 | ---- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 4.0  | ---- | 0.0     | 7.2  | ---- | 25.0     | 9.6  | ---- |
| Prostatectomy.....                         | 18                 | 5.6                 | 1.0  | ---- | 5.6     | 2.4  | ---- | 5.6      | 4.2  | ---- |
| Cholecystectomy.....                       | 15                 | 0.0                 | 2.3  | ---- | 0.0     | 4.8  | ---- | 0.0      | 7.0  | ---- |
| Hysterectomy.....                          | 6                  | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BROWN MEMORIAL HOSPITAL

Medicare Provider Number: 360042

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 58.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 66.8 %  
Transferred from skilled nursing facility..... 2.2 %  
Admitted for elective procedure..... 5.8 %  
Admitted for emergency..... 0.2 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 40.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 15.6 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 14.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 90.5%  
State ..... 2.1%  
Outside State ..... 7.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 70  
Occupancy Rate ..... 34.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 35.1 %  
Case Mix Index (CMI) ..... 1.1214

### STAFFING:

Total Number of Physicians..... 14  
Percent of Physicians Board  
Certified Specialists ..... 57.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 60  
Licensed Practical Nurses..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BUCYRUS COMMUNITY HOSPITAL

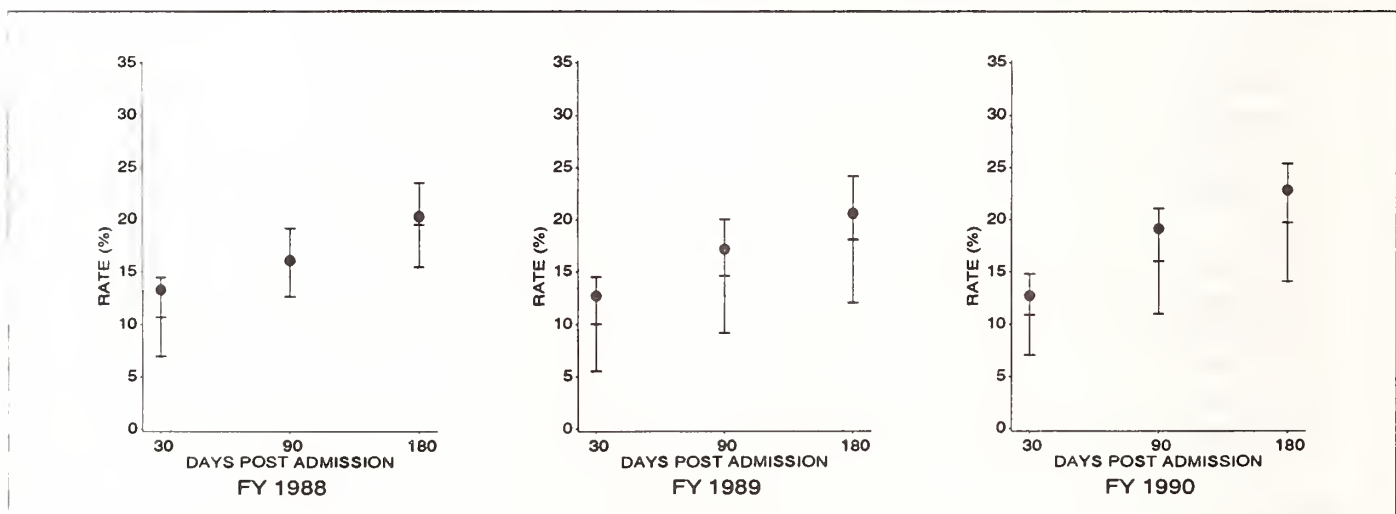
629 NORTH SANDUSKY AVENUE  
BUCYRUS, OH 44820  
Medicare Provider Number: 360030

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 456             | 12.7                | 10.9 | 1.9   | 19.1    | 16.0 | 2.5   | 22.8     | 19.7 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19              | 36.8                | 23.9 | ----- | 36.8    | 27.7 | ----- | 52.6     | 30.5 | ----- |
| Congestive Heart Failure.....              | 26              | 23.1                | 13.5 | ----- | 34.6    | 20.9 | ----- | 42.3     | 27.3 | ----- |
| Pneumonia/Influenza.....                   | 40              | 25.0                | 19.7 | ----- | 30.0    | 27.3 | ----- | 35.0     | 32.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 6.6  | ----- | 0.0     | 13.4 | ----- | 0.0      | 20.0 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 2.8  | ----- | 0.0     | 6.2  | ----- | 0.0      | 10.2 | ----- |
| Stroke.....                                | 27              | 18.5                | 18.2 | ----- | 22.2    | 24.9 | ----- | 22.2     | 28.9 | ----- |
| Hip Fracture.....                          | 24              | 0.0                 | 6.8  | ----- | 16.7    | 12.2 | ----- | 16.7     | 16.2 | ----- |
| Sepsis.....                                | 11              | 45.5                | 45.4 | ----- | 63.6    | 55.4 | ----- | 63.6     | 60.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 0.8  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.6  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 19              | 0.0                 | 4.1  | ----- | 0.0     | 7.8  | ----- | 0.0      | 10.6 | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 4.4  | ----- | 0.0     | 8.1  | ----- | 0.0      | 11.1 | ----- |
| Prostatectomy.....                         | 27              | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 3.7      | 2.8  | ----- |
| Cholecystectomy.....                       | 12              | 0.0                 | 2.4  | ----- | 0.0     | 4.6  | ----- | 0.0      | 6.1  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BUCYRUS COMMUNITY HOSPITAL

Medicare Provider Number: 360030

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 59.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.0 %  
Transferred from skilled nursing facility..... 9.2 %  
Admitted for elective procedure..... 7.0 %  
Admitted for emergency..... 61.2 %

### COMORBIDITIES:

Cancer..... 8.8 %  
Chronic cardiovascular disease..... 42.1 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 18.6 %  
Cerebrovascular degeneration..... 5.5 %  
Diabetes mellitus..... 7.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.1%  
State ..... 12.6%  
Outside State ..... 2.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.8 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 33  
Occupancy Rate ..... 51.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 50.1 %  
Case Mix Index (CMI) ..... 1.1533

### STAFFING:

Total Number of Physicians..... 19  
Percent of Physicians Board  
Certified Specialists..... 73.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 48  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

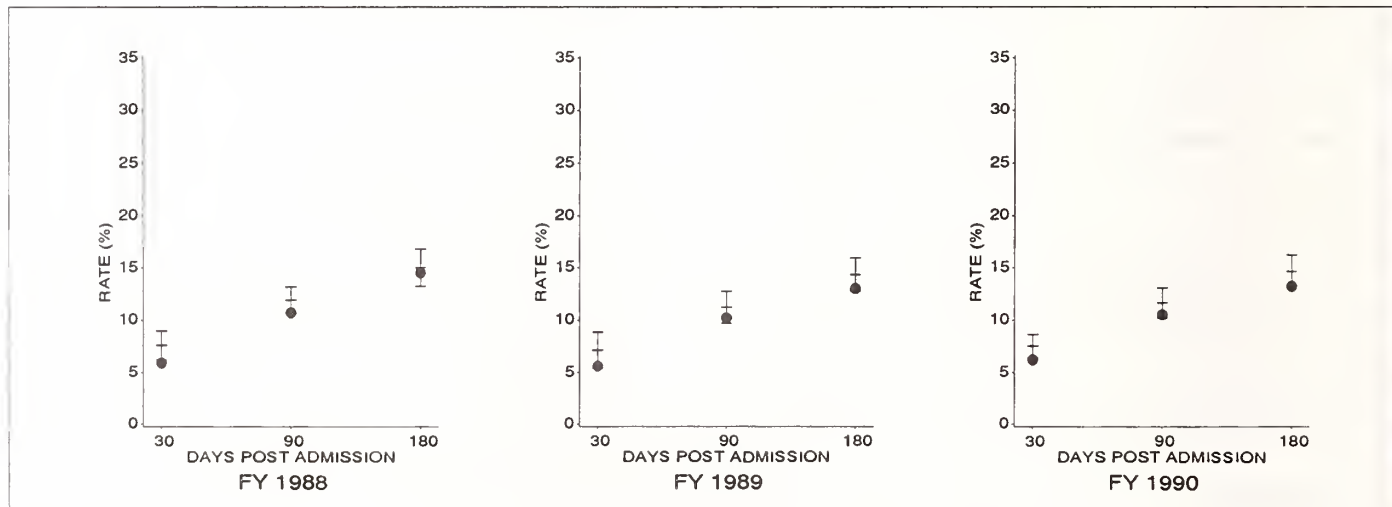
**CHRIST HOSPITAL**  
2139 AUBURN AVENUE  
CINCINNATI, OH 45219  
Medicare Provider Number: 360163

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3750               | 6.2                 | 7.5  | 0.6  | 10.5    | 11.6 | 0.7  | 13.2     | 14.6 | 0.8  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 86                 | 18.6                | 24.7 | 5.9  | 20.9    | 27.2 | 6.2  | 23.3     | 29.5 | 7.1  |
| Congestive Heart Failure.....              | 107                | 17.8                | 16.0 | 4.0  | 27.1    | 25.1 | 4.5  | 32.7     | 31.7 | 4.7  |
| Pneumonia/Influenza.....                   | 112                | 12.5                | 18.9 | 6.0  | 21.4    | 25.5 | 7.3  | 26.8     | 29.8 | 8.1  |
| Chronic Obstructive Pulmonary Disease..... | 56                 | 7.1                 | 7.4  | 4.3  | 10.7    | 12.5 | 4.9  | 14.3     | 16.6 | 5.9  |
| Transient Cerebral Ischemia.....           | 61                 | 0.0                 | 1.4  | 1.9  | 1.6     | 3.1  | 2.7  | 3.3      | 5.0  | 4.3  |
| Stroke.....                                | 64                 | 10.9                | 20.7 | 6.9  | 18.8    | 27.8 | 9.2  | 20.3     | 31.7 | 8.1  |
| Hip Fracture.....                          | 49                 | 16.3                | 6.6  | ---- | 20.4    | 11.6 | ---- | 24.5     | 14.9 | ---- |
| Sepsis.....                                | 26                 | 30.8                | 35.7 | ---- | 50.0    | 44.8 | ---- | 53.8     | 49.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 196                | 1.5                 | 2.3  | 1.4  | 2.6     | 3.2  | 1.6  | 2.6      | 4.0  | 1.9  |
| Coronary Artery Bypass Graft.....          | 197                | 2.0                 | 5.0  | 1.9  | 3.6     | 7.0  | 2.2  | 6.1      | 7.9  | 2.0  |
| Initial Pacemaker Insertion.....           | 29                 | 3.4                 | 4.5  | ---- | 6.9     | 7.4  | ---- | 6.9      | 9.7  | ---- |
| Carotid Endarterectomy.....                | 36                 | 2.8                 | 1.0  | ---- | 5.6     | 1.9  | ---- | 8.3      | 2.8  | ---- |
| Hip Replacement/Reconstruction.....        | 116                | 3.4                 | 1.5  | 1.9  | 5.2     | 2.8  | 2.6  | 6.0      | 3.7  | 2.9  |
| Open Reduction of Hip Fracture.....        | 13                 | 23.1                | 6.0  | ---- | 23.1    | 10.8 | ---- | 30.8     | 14.0 | ---- |
| Prostatectomy.....                         | 102                | 0.0                 | 0.6  | 1.0  | 1.0     | 1.5  | 1.3  | 1.0      | 2.6  | 2.4  |
| Cholecystectomy.....                       | 44                 | 2.3                 | 2.6  | ---- | 4.5     | 4.9  | ---- | 4.5      | 6.6  | ---- |
| Hysterectomy.....                          | 61                 | 0.0                 | 0.5  | 1.0  | 0.0     | 1.1  | 1.7  | 0.0      | 1.8  | 2.3  |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**CHRIST HOSPITAL**  
Medicare Provider Number: 360163

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 70.8 years  
Proportion female..... 53.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 41.6 %  
Transferred from skilled nursing facility..... 2.2 %  
Admitted for elective procedure..... 38.8 %  
Admitted for emergency..... 59.7 %

**COMORBIDITIES:**

Cancer..... 9.0 %  
Chronic cardiovascular disease..... 33.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 6.5 %  
Chronic pulmonary disease..... 9.8 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 6.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 61.5%  
State ..... 25.3%  
Outside State ..... 13.2%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 8.4 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 660  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 30.5 %  
Case Mix Index (CMI) ..... 1.6079

**STAFFING:**

Total Number of Physicians..... 355  
Percent of Physicians Board  
Certified Specialists..... 87.9 %  
Medical Residents/Interns ..... 29  
Registered Nurses..... 497  
Licensed Practical Nurses ..... 38

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

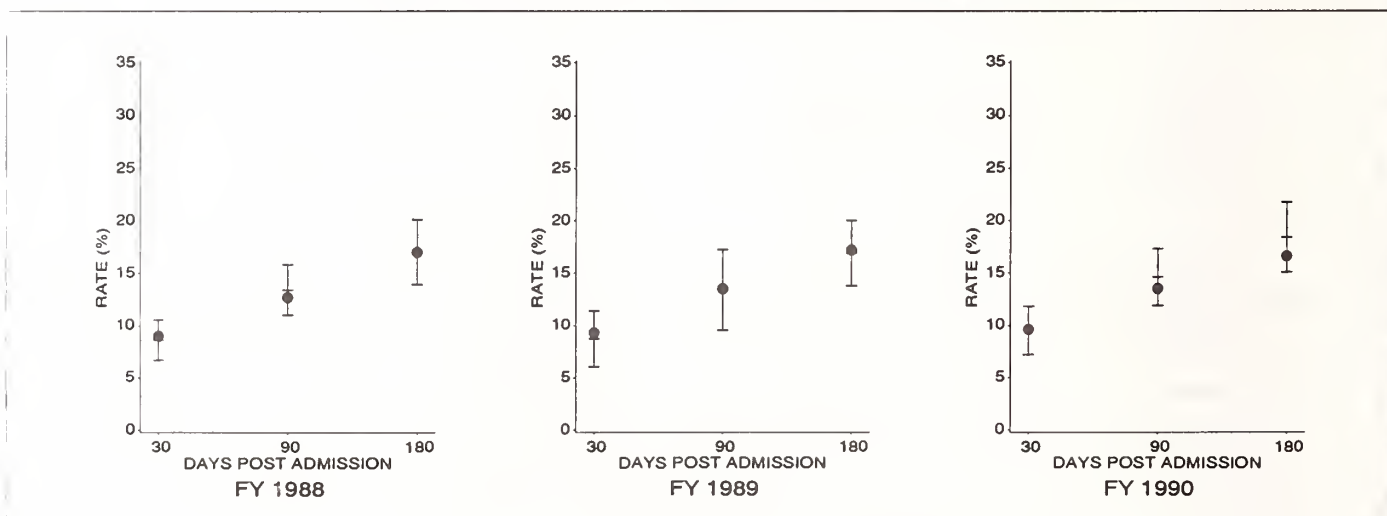
**CITY HOSPITAL**  
4697 HARRISON ST  
BELLAIRE, OH 43906  
Medicare Provider Number: 360153

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 888             | 9.6                 | 9.5  | 1.2  | 13.5    | 14.6 | 1.4  | 16.6     | 18.4 | 1.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 33              | 39.4                | 19.6 | ---- | 48.5    | 23.5 | ---- | 51.5     | 26.6 | ---- |
| Congestive Heart Failure.....              | 63              | 12.7                | 14.0 | 7.4  | 19.0    | 22.2 | 12.2 | 23.8     | 28.4 | 12.2 |
| Pneumonia/Influenza.....                   | 35              | 14.3                | 16.5 | ---- | 20.0    | 22.8 | ---- | 28.6     | 26.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 28              | 3.6                 | 7.8  | ---- | 10.7    | 14.2 | ---- | 10.7     | 18.8 | ---- |
| Transient Cerebral Ischemia.....           | 15              | 0.0                 | 1.7  | ---- | 6.7     | 3.6  | ---- | 6.7      | 6.1  | ---- |
| Stroke.....                                | 39              | 23.1                | 15.7 | ---- | 23.1    | 21.5 | ---- | 30.8     | 25.0 | ---- |
| Hip Fracture.....                          | 16              | 0.0                 | 6.7  | ---- | 0.0     | 12.0 | ---- | 0.0      | 15.5 | ---- |
| Sepsis.....                                | 10              | 10.0                | 39.8 | ---- | 20.0    | 46.8 | ---- | 30.0     | 51.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 5.1  | ---- | 0.0     | 9.7  | ---- | 0.0      | 13.7 | ---- |
| Carotid Endarterectomy.....                | 3               | 33.3                | 2.7  | ---- | 33.3    | 4.8  | ---- | 33.3     | 6.3  | ---- |
| Hip Replacement/Reconstruction.....        | 8               | 0.0                 | 6.2  | ---- | 0.0     | 11.0 | ---- | 0.0      | 14.1 | ---- |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 6.1  | ---- | 0.0     | 11.4 | ---- | 0.0      | 15.2 | ---- |
| Prostatectomy.....                         | 32              | 0.0                 | 1.8  | ---- | 3.1     | 3.9  | ---- | 3.1      | 6.2  | ---- |
| Cholecystectomy.....                       | 17              | 11.8                | 2.0  | ---- | 11.8    | 3.8  | ---- | 11.8     | 5.2  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**CITY HOSPITAL**  
Medicare Provider Number: 360153

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 74.5 years  
Proportion female..... 57.9 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 88.7 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 6.6 %  
Admitted for emergency..... 73.9 %

**COMORBIDITIES:**

Cancer..... 8.9 %  
Chronic cardiovascular disease..... 43.6 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 27.1 %  
Cerebrovascular degeneration..... 3.2 %  
Diabetes mellitus..... 7.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 83.0%  
State..... 13.0%  
Outside State..... 4.0%  
Total..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 8.5 Days  
State..... 8.3 Days  
National..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds..... 83  
Occupancy Rate..... 62.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 42.7 %  
Case Mix Index (CMI)..... 1.1845

**STAFFING:**

Total Number of Physicians..... 62  
Percent of Physicians Board  
Certified Specialists..... 67.7 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 79  
Licensed Practical Nurses..... 23

**SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLERMONT MERCY HOSPITAL

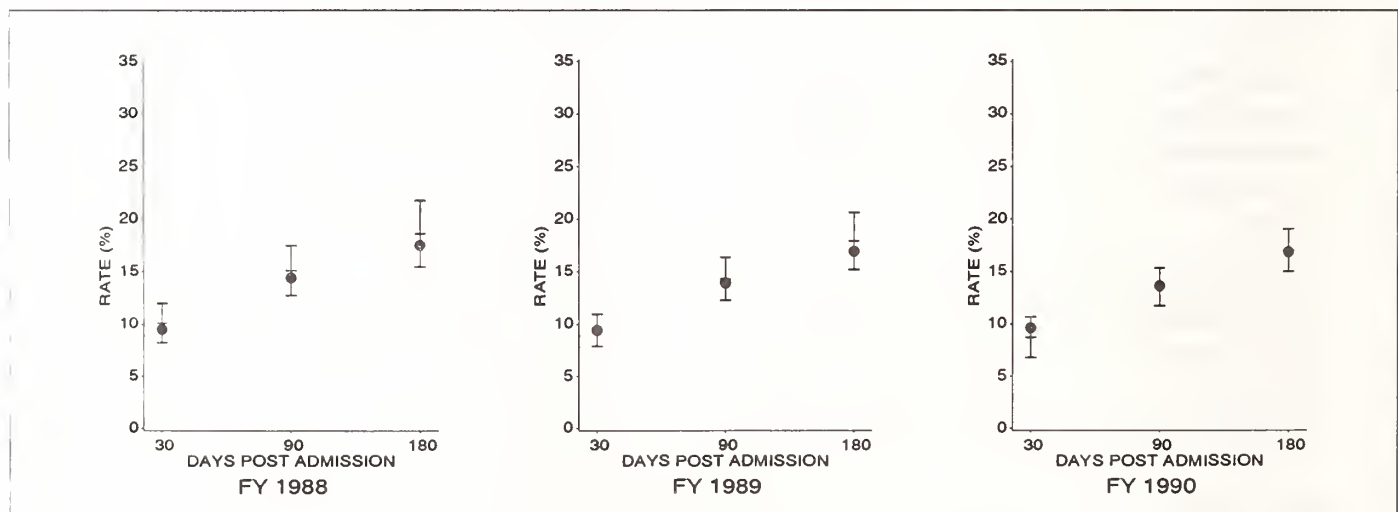
3000 HOSPITAL DRIVE  
BATAVIA, OH 45103  
Medicare Provider Number: 360236

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1460            | 9.6                 | 8.7  | 1.0   | 13.6    | 13.5 | 0.9   | 16.8     | 17.0 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 42              | 33.3                | 27.1 | ----- | 35.7    | 29.8 | ----- | 40.5     | 32.3 | ----- |
| Congestive Heart Failure.....              | 88              | 22.7                | 13.2 | 6.2   | 29.5    | 21.0 | 6.4   | 36.4     | 26.9 | 7.2   |
| Pneumonia/Influenza.....                   | 92              | 12.0                | 17.4 | 7.7   | 17.4    | 23.7 | 7.6   | 26.1     | 27.7 | 7.5   |
| Chronic Obstructive Pulmonary Disease..... | 33              | 12.1                | 6.5  | ----- | 15.2    | 12.5 | ----- | 27.3     | 17.2 | ----- |
| Transient Cerebral Ischemia.....           | 31              | 3.2                 | 2.0  | ----- | 3.2     | 4.4  | ----- | 6.5      | 7.0  | ----- |
| Stroke.....                                | 50              | 20.0                | 15.6 | ----- | 22.0    | 22.2 | ----- | 22.0     | 25.8 | ----- |
| Hip Fracture.....                          | 30              | 3.3                 | 6.1  | ----- | 6.7     | 11.3 | ----- | 6.7      | 15.1 | ----- |
| Sepsis.....                                | 10              | 30.0                | 26.1 | ----- | 40.0    | 34.5 | ----- | 40.0     | 38.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 12              | 0.0                 | 2.3  | ----- | 16.7    | 4.9  | ----- | 16.7     | 7.7  | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 2.2  | ----- | 0.0     | 4.7  | ----- | 0.0      | 7.6  | ----- |
| Hip Replacement/Reconstruction.....        | 16              | 6.3                 | 4.7  | ----- | 12.5    | 9.1  | ----- | 12.5     | 12.5 | ----- |
| Open Reduction of Hip Fracture.....        | 11              | 0.0                 | 4.5  | ----- | 0.0     | 8.7  | ----- | 0.0      | 12.2 | ----- |
| Prostatectomy.....                         | 30              | 0.0                 | 0.9  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.2  | ----- |
| Cholecystectomy.....                       | 43              | 0.0                 | 1.5  | ----- | 2.3     | 2.9  | ----- | 2.3      | 4.0  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CLERMONT MERCY HOSPITAL

Medicare Provider Number: 360236

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years

Proportion female..... 59.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.5 %

Transferred from skilled nursing facility..... 0.1 %

Admitted for elective procedure..... 10.6 %

Admitted for emergency..... 88.7 %

### COMORBIDITIES:

Cancer..... 6.3 %

Chronic cardiovascular disease..... 40.2 %

Chronic liver disease..... 0.5 %

Chronic renal disease..... 2.1 %

Chronic pulmonary disease..... 19.2 %

Cerebrovascular degeneration..... 6.6 %

Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 61.8%

State ..... 36.0%

Outside State ..... 2.2%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 151

Occupancy Rate ..... 68.0 %

Ownership/Control..... Church

Medicare Discharges ..... 40.1 %

Case Mix Index (CMI) ..... 1.1347

### STAFFING:

Total Number of Physicians..... 100

Percent of Physicians Board  
Certified Specialists ..... 68.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 103

Licensed Practical Nurses ..... 26

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLEVELAND CLINIC HOSPITAL

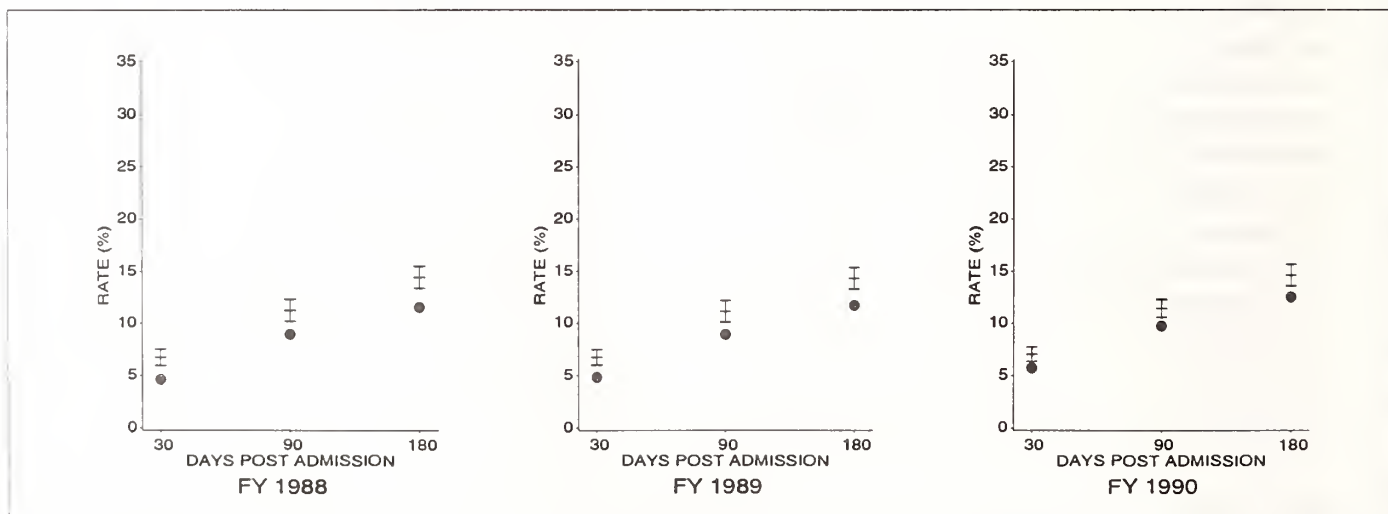
9500 EUCLID AVE  
CLEVELAND, OH 44106  
Medicare Provider Number: 360180

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 6205               | 5.7                 | 7.0  | 0.3   | 9.7     | 11.4 | 0.4   | 12.5     | 14.6 | 0.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 58                 | 24.1                | 23.8 | 6.5   | 24.1    | 27.2 | 6.6   | 24.1     | 30.0 | 7.8   |
| Congestive Heart Failure.....              | 155                | 13.5                | 13.9 | 3.2   | 20.0    | 22.3 | 4.4   | 26.5     | 28.6 | 4.3   |
| Pneumonia/Influenza.....                   | 42                 | 16.7                | 14.7 | ----- | 23.8    | 20.7 | ----- | 26.2     | 24.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 36                 | 0.0                 | 9.0  | ----- | 13.9    | 15.6 | ----- | 22.2     | 20.5 | ----- |
| Transient Cerebral Ischemia.....           | 59                 | 0.0                 | 2.0  | 2.7   | 1.7     | 3.9  | 3.4   | 1.7      | 5.9  | 5.2   |
| Stroke.....                                | 53                 | 20.8                | 22.9 | 9.3   | 28.3    | 29.8 | 6.7   | 34.0     | 33.7 | 6.5   |
| Hip Fracture.....                          | 22                 | 0.0                 | 6.8  | ----- | 4.5     | 12.0 | ----- | 4.5      | 15.5 | ----- |
| Sepsis.....                                | 21                 | 33.3                | 29.3 | ----- | 42.9    | 40.4 | ----- | 47.6     | 45.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 234                | 0.9                 | 2.2  | 1.3   | 0.9     | 3.0  | 1.7   | 1.7      | 3.8  | 1.9   |
| Coronary Artery Bypass Graft.....          | 504                | 6.0                 | 5.7  | 1.2   | 7.5     | 8.1  | 1.4   | 8.9      | 9.2  | 1.8   |
| Initial Pacemaker Insertion.....           | 72                 | 4.2                 | 2.9  | 2.4   | 9.7     | 5.6  | 4.5   | 11.1     | 8.0  | 4.7   |
| Carotid Endarterectomy.....                | 119                | 1.7                 | 2.3  | 1.5   | 4.2     | 4.1  | 2.0   | 5.0      | 5.8  | 2.3   |
| Hip Replacement/Reconstruction.....        | 165                | 1.8                 | 1.1  | 1.1   | 3.6     | 2.1  | 2.0   | 4.8      | 3.0  | 2.7   |
| Open Reduction of Hip Fracture.....        | 9                  | 0.0                 | 7.4  | ----- | 11.1    | 13.2 | ----- | 11.1     | 17.4 | ----- |
| Prostatectomy.....                         | 100                | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.1  | ----- |
| Cholecystectomy.....                       | 60                 | 3.3                 | 4.0  | 2.6   | 8.3     | 7.9  | 3.8   | 10.0     | 10.9 | 4.8   |
| Hysterectomy.....                          | 72                 | 0.0                 | 0.5  | 1.0   | 0.0     | 1.2  | 2.0   | 0.0      | 2.0  | 3.1   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CLEVELAND CLINIC HOSPITAL

Medicare Provider Number: 360180

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 69.5 years  
Proportion female..... 46.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 52.5 %  
Admitted for emergency..... 24.5 %

### COMORBIDITIES:

Cancer..... 10.2 %  
Chronic cardiovascular disease..... 40.9 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 5.2 %  
Chronic pulmonary disease..... 9.4 %  
Cerebrovascular degeneration..... 2.0 %  
Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 37.2%  
State..... 43.9%  
Outside State..... 18.9%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.7 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds..... 1008  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI)..... 1.8911

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 1257  
Licensed Practical Nurses..... 183

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... Yes  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLINTON MEMORIAL HOSPITAL

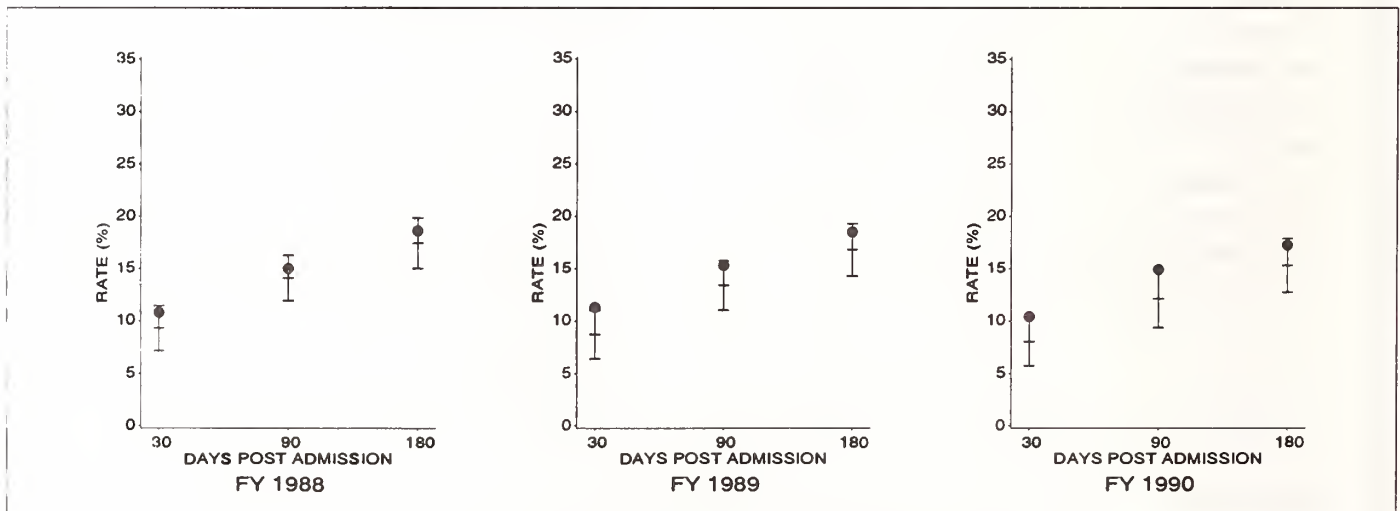
610 WEST MAIN STREET  
WILMINGTON, OH 45177  
Medicare Provider Number: 360175

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1052               | 10.4                | 8.0  | 1.1   | 14.9    | 12.1 | 1.4   | 17.2     | 15.3 | 1.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 30                 | 30.0                | 24.9 | ----- | 33.3    | 27.2 | ----- | 36.7     | 29.7 | ----- |
| Congestive Heart Failure.....              | 59                 | 15.3                | 12.8 | 5.7   | 22.0    | 20.4 | 5.9   | 28.8     | 26.3 | 6.6   |
| Pneumonia/Influenza.....                   | 74                 | 16.2                | 15.8 | 6.0   | 31.1    | 21.9 | 8.2   | 36.5     | 25.9 | 8.9   |
| Chronic Obstructive Pulmonary Disease..... | 16                 | 18.8                | 5.0  | ----- | 25.0    | 9.0  | ----- | 25.0     | 12.6 | ----- |
| Transient Cerebral Ischemia.....           | 16                 | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.3  | ----- |
| Stroke.....                                | 38                 | 21.1                | 20.9 | ----- | 31.6    | 27.0 | ----- | 34.2     | 30.7 | ----- |
| Hip Fracture.....                          | 33                 | 6.1                 | 5.0  | ----- | 9.1     | 9.3  | ----- | 12.1     | 12.5 | ----- |
| Sepsis.....                                | 13                 | 30.8                | 22.2 | ----- | 38.5    | 29.4 | ----- | 38.5     | 33.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 9                  | 11.1                | 2.6  | ----- | 22.2    | 5.3  | ----- | 22.2     | 8.0  | ----- |
| Carotid Endarterectomy.....                | 10                 | 0.0                 | 1.3  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 27                 | 0.0                 | 2.5  | ----- | 0.0     | 4.9  | ----- | 3.7      | 6.8  | ----- |
| Open Reduction of Hip Fracture.....        | 19                 | 10.5                | 4.2  | ----- | 15.8    | 8.3  | ----- | 15.8     | 11.2 | ----- |
| Prostatectomy.....                         | 39                 | 0.0                 | 1.2  | ----- | 0.0     | 2.8  | ----- | 2.6      | 4.7  | ----- |
| Cholecystectomy.....                       | 28                 | 7.1                 | 1.9  | ----- | 10.7    | 3.4  | ----- | 10.7     | 4.4  | ----- |
| Hysterectomy.....                          | 7                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CLINTON MEMORIAL HOSPITAL

Medicare Provider Number: 360175

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years

Proportion female..... 59.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.1 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 33.7 %

Admitted for emergency..... 59.1 %

### COMORBIDITIES:

Cancer..... 6.6 %

Chronic cardiovascular disease..... 31.7 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 1.7 %

Chronic pulmonary disease..... 13.7 %

Cerebrovascular degeneration..... 4.5 %

Diabetes mellitus..... 5.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.0%

State ..... 22.8%

Outside State ..... 1.2%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 81

Occupancy Rate ..... 63.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 42.9 %

Case Mix Index (CMI) ..... 1.1564

### STAFFING:

Total Number of Physicians..... 32

Percent of Physicians Board  
Certified Specialists..... 93.8 %

Medical Residents/Interns ..... 0

Registered Nurses..... 108

Licensed Practical Nurses..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY HOSPITAL

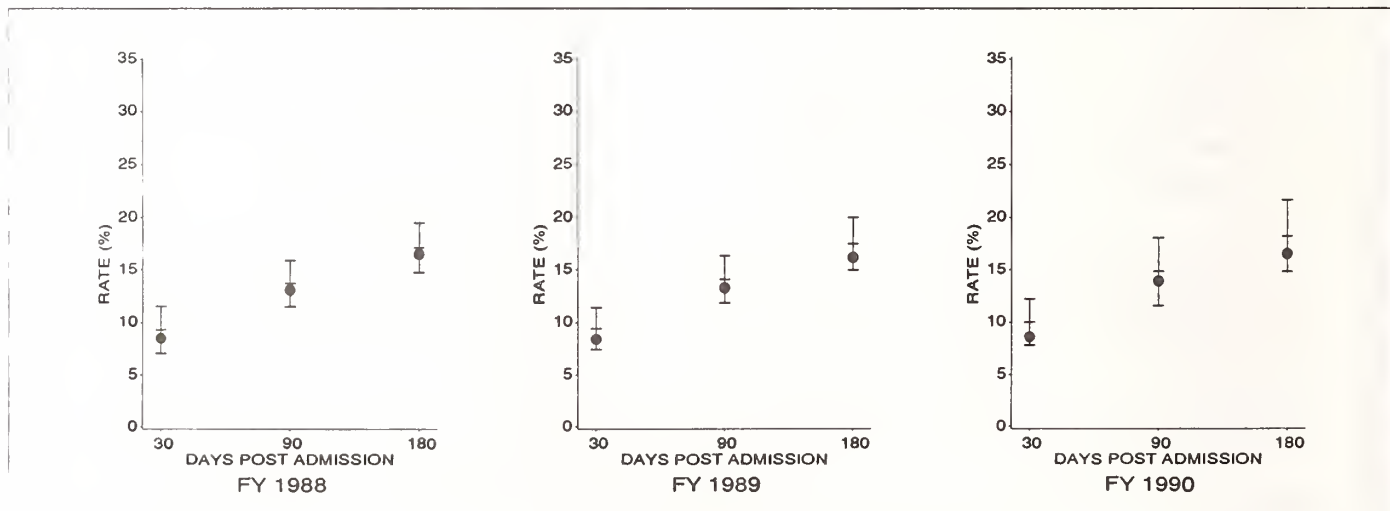
426 CENTRAL DR  
BRYAN, OH 43506  
Medicare Provider Number: 360121

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1068            | 8.6                 | 10.0 | 1.1   | 13.9    | 14.8 | 1.6   | 16.5     | 18.2 | 1.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 33              | 45.5                | 30.0 | ----- | 45.5    | 33.4 | ----- | 48.5     | 36.2 | ----- |
| Congestive Heart Failure.....              | 54              | 13.0                | 16.2 | 5.3   | 25.9    | 25.5 | 10.2  | 29.6     | 32.4 | 8.8   |
| Pneumonia/Influenza.....                   | 68              | 14.7                | 19.8 | 6.4   | 20.6    | 26.8 | 8.8   | 22.1     | 31.2 | 8.6   |
| Chronic Obstructive Pulmonary Disease..... | 25              | 4.0                 | 4.7  | ----- | 12.0    | 9.1  | ----- | 24.0     | 13.2 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 2.4  | ----- | 0.0     | 5.2  | ----- | 0.0      | 8.4  | ----- |
| Stroke.....                                | 32              | 37.5                | 26.2 | ----- | 40.6    | 33.3 | ----- | 40.6     | 37.2 | ----- |
| Hip Fracture.....                          | 27              | 3.7                 | 6.1  | ----- | 11.1    | 10.7 | ----- | 11.1     | 13.5 | ----- |
| Sepsis.....                                | 13              | 7.7                 | 32.2 | ----- | 15.4    | 41.3 | ----- | 23.1     | 45.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 1.5  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.2  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 21              | 0.0                 | 1.9  | ----- | 0.0     | 3.5  | ----- | 4.8      | 5.1  | ----- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 5.1  | ----- | 22.2    | 9.4  | ----- | 22.2     | 12.2 | ----- |
| Prostatectomy.....                         | 37              | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 2.7      | 2.1  | ----- |
| Cholecystectomy.....                       | 21              | 4.8                 | 3.1  | ----- | 4.8     | 5.8  | ----- | 4.8      | 7.8  | ----- |
| Hysterectomy.....                          | 21              | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY HOSPITAL

Medicare Provider Number: 360121

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 57.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.3 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 17.8 %  
Admitted for emergency..... 49.8 %

### COMORBIDITIES:

Cancer..... 8.4 %  
Chronic cardiovascular disease..... 36.0 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 15.2 %  
Cerebrovascular degeneration..... 2.1 %  
Diabetes mellitus..... 8.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 78.6%  
State..... 14.4%  
Outside State..... 7.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.9 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 121  
Occupancy Rate..... 58.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 33.3 %  
Case Mix Index (CMI)..... 1.1157

### STAFFING:

Total Number of Physicians..... 53  
Percent of Physicians Board  
Certified Specialists..... 84.9 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 95  
Licensed Practical Nurses..... 63

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY HOSPITAL OF BEDFORD

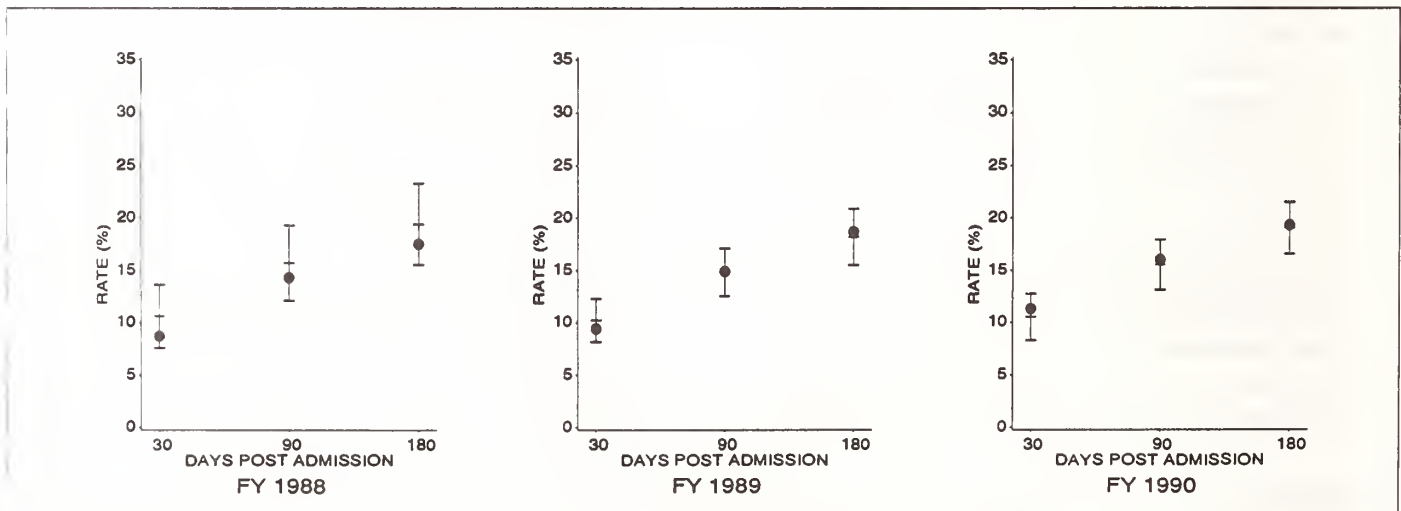
44 BLAINE ST  
BEDFORD, OH 44146  
Medicare Provider Number: 360115

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1073            | 11.3                | 10.5 | 1.1  | 16.0    | 15.5 | 1.2  | 19.3     | 19.0 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 35              | 28.6                | 27.1 | ---- | 31.4    | 30.2 | ---- | 31.4     | 32.8 | ---- |
| Congestive Heart Failure.....              | 79              | 25.3                | 16.9 | 8.2  | 35.4    | 25.8 | 8.8  | 36.7     | 32.1 | 8.4  |
| Pneumonia/Influenza.....                   | 52              | 21.2                | 16.6 | 6.2  | 28.8    | 22.9 | 8.0  | 30.8     | 26.7 | 7.5  |
| Chronic Obstructive Pulmonary Disease..... | 18              | 5.6                 | 8.0  | ---- | 16.7    | 13.8 | ---- | 22.2     | 18.1 | ---- |
| Transient Cerebral Ischemia.....           | 26              | 0.0                 | 1.6  | ---- | 0.0     | 3.8  | ---- | 0.0      | 6.2  | ---- |
| Stroke.....                                | 44              | 13.6                | 18.7 | ---- | 18.2    | 25.1 | ---- | 22.7     | 28.9 | ---- |
| Hip Fracture.....                          | 15              | 6.7                 | 9.0  | ---- | 6.7     | 14.7 | ---- | 6.7      | 18.3 | ---- |
| Sepsis.....                                | 12              | 25.0                | 37.1 | ---- | 41.7    | 45.4 | ---- | 50.0     | 50.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 9.0  | ---- | 0.0     | 11.9 | ---- | 0.0      | 14.7 | ---- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 3.8  | ---- | 0.0     | 7.3  | ---- | 0.0      | 10.4 | ---- |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 3.8  | ---- | 0.0     | 6.8  | ---- | 0.0      | 9.3  | ---- |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 11.6 | ---- | 0.0     | 19.2 | ---- | 0.0      | 23.5 | ---- |
| Prostatectomy.....                         | 22              | 0.0                 | 1.0  | ---- | 4.5     | 2.1  | ---- | 4.5      | 3.5  | ---- |
| Cholecystectomy.....                       | 23              | 8.7                 | 4.5  | ---- | 8.7     | 7.8  | ---- | 8.7      | 9.8  | ---- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.5  | ---- | 0.0     | 1.1  | ---- | 0.0      | 1.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# COMMUNITY HOSPITAL OF BEDFORD

Medicare Provider Number: 360115

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 58.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.3 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 10.3 %  
Admitted for emergency..... 64.3 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 45.2 %  
Chronic liver disease..... 1.7 %  
Chronic renal disease..... 4.6 %  
Chronic pulmonary disease..... 16.5 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.7%  
State ..... 18.1%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 110  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 48.1 %  
Case Mix Index (CMI) ..... 1.1837

### STAFFING:

Total Number of Physicians..... 54  
Percent of Physicians Board  
Certified Specialists..... 68.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 86  
Licensed Practical Nurses ..... 32

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY HOSPITAL OF SPRINGFIELD

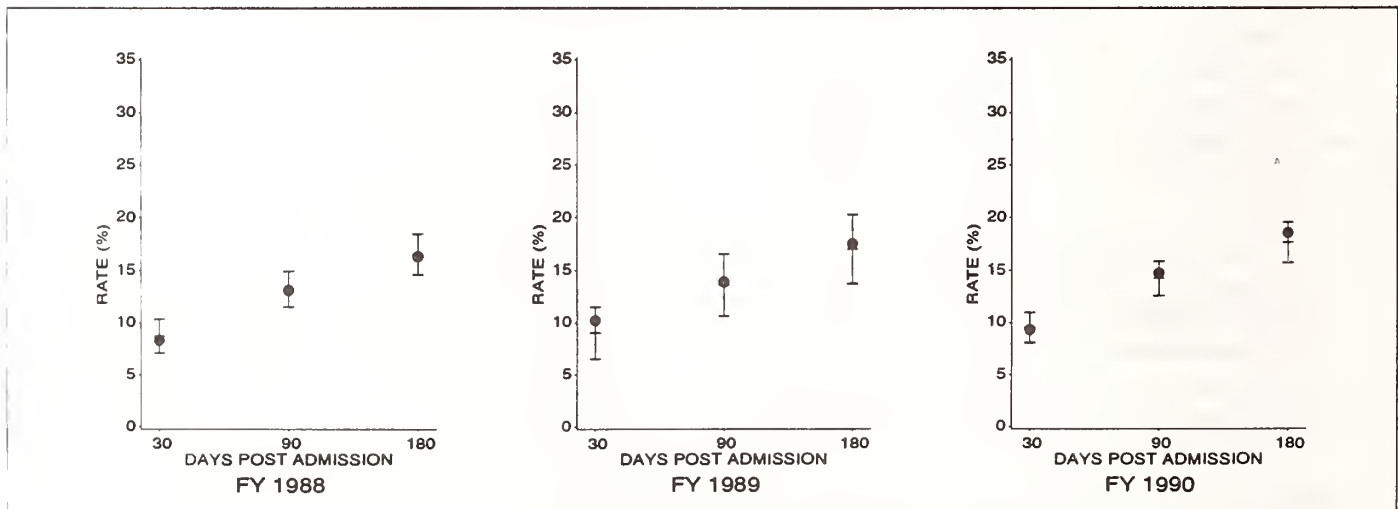
2615 E HIGH ST  
SPRINGFIELD, OH 45501  
Medicare Provider Number: 360187

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2051            | 9.3                 | 9.5  | 0.7  | 14.7    | 14.2 | 0.8  | 18.5     | 17.6 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 83              | 25.3                | 28.2 | 5.1  | 36.1    | 31.2 | 5.4  | 37.3     | 33.9 | 5.7  |
| Congestive Heart Failure.....              | 121             | 10.7                | 13.5 | 3.7  | 22.3    | 21.7 | 3.8  | 28.1     | 27.7 | 4.4  |
| Pneumonia/Influenza.....                   | 122             | 17.2                | 15.9 | 3.6  | 23.8    | 21.9 | 6.7  | 31.1     | 25.6 | 7.5  |
| Chronic Obstructive Pulmonary Disease..... | 55              | 3.6                 | 6.3  | 4.5  | 7.3     | 11.1 | 5.3  | 12.7     | 15.1 | 5.3  |
| Transient Cerebral Ischemia.....           | 25              | 0.0                 | 1.7  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.9  | ---- |
| Stroke.....                                | 69              | 17.4                | 21.2 | 5.4  | 20.3    | 28.3 | 6.5  | 31.9     | 32.4 | 5.7  |
| Hip Fracture.....                          | 54              | 9.3                 | 6.6  | 4.3  | 11.1    | 11.6 | 4.4  | 14.8     | 14.9 | 5.6  |
| Sepsis.....                                | 33              | 27.3                | 25.3 | ---- | 30.3    | 34.1 | ---- | 33.3     | 39.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 37              | 2.7                 | 2.0  | ---- | 5.4     | 4.1  | ---- | 10.8     | 6.1  | ---- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 1.5  | ---- | 11.1    | 2.7  | ---- | 11.1     | 3.9  | ---- |
| Hip Replacement/Reconstruction.....        | 43              | 9.3                 | 4.3  | ---- | 9.3     | 7.7  | ---- | 9.3      | 10.1 | ---- |
| Open Reduction of Hip Fracture.....        | 26              | 3.8                 | 6.6  | ---- | 7.7     | 11.9 | ---- | 15.4     | 15.6 | ---- |
| Prostatectomy.....                         | 50              | 2.0                 | 1.0  | ---- | 2.0     | 2.5  | ---- | 4.0      | 4.1  | ---- |
| Cholecystectomy.....                       | 47              | 2.1                 | 1.9  | ---- | 2.1     | 3.6  | ---- | 2.1      | 4.9  | ---- |
| Hysterectomy.....                          | 27              | 0.0                 | 0.2  | ---- | 3.7     | 0.5  | ---- | 3.7      | 0.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY HOSPITAL OF SPRINGFIELD

Medicare Provider Number: 360187

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.1 years  
Proportion female..... 54.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 20.8 %  
Admitted for emergency..... 77.0 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 33.3 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 5.2 %  
Chronic pulmonary disease..... 18.2 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 10.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.6%  
State ..... 14.6%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 232  
Occupancy Rate ..... 69.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 34.3 %  
Case Mix Index (CMI) ..... 1.3309

### STAFFING:

Total Number of Physicians..... 128  
Percent of Physicians Board  
Certified Specialists ..... 71.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 254  
Licensed Practical Nurses ..... 26

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY MEMORIAL HOSPITAL

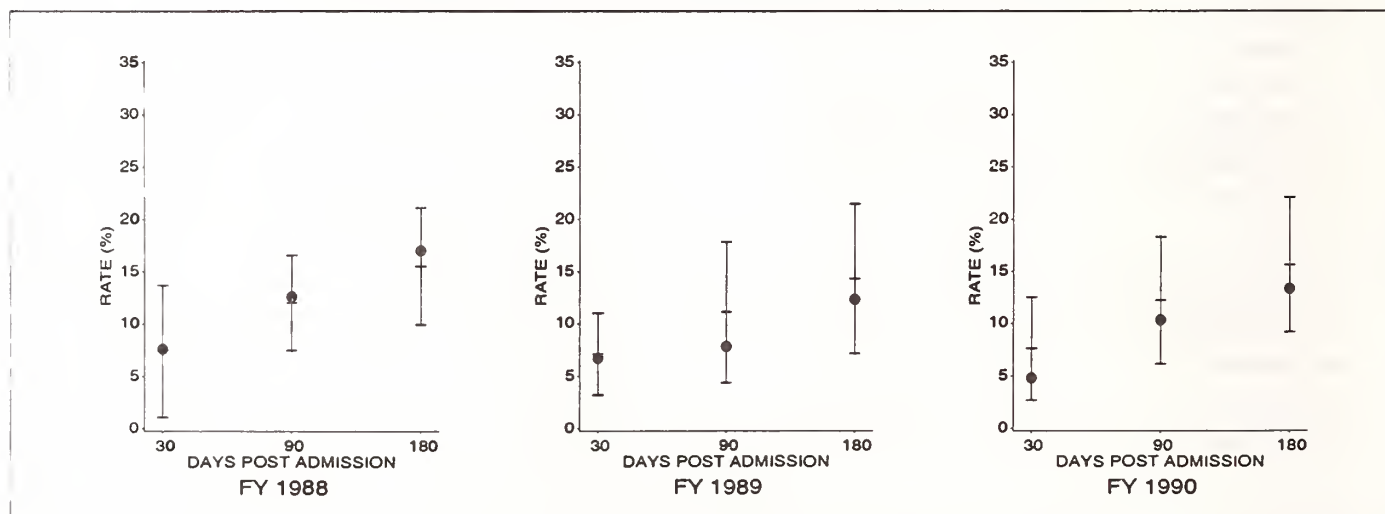
208 N COLUMBUS ST  
HICKSVILLE, OH 43526  
Medicare Provider Number: 360140

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 165             | 4.8                 | 7.6  | 2.5  | 10.3    | 12.2 | 3.0  | 13.3     | 15.6 | 3.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 12              | 16.7                | 13.7 | ---- | 33.3    | 21.7 | ---- | 33.3     | 28.1 | ---- |
| Pneumonia/Influenza.....                   | 18              | 0.0                 | 13.6 | ---- | 5.6     | 19.0 | ---- | 16.7     | 23.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 3.3  | ---- | 0.0     | 6.7  | ---- | 0.0      | 9.6  | ---- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 2.6  | ---- | 0.0     | 5.8  | ---- | 0.0      | 9.6  | ---- |
| Stroke.....                                | 7               | 14.3                | 18.1 | ---- | 14.3    | 25.2 | ---- | 14.3     | 28.5 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 5               | 0.0                 | 19.7 | ---- | 0.0     | 28.0 | ---- | 40.0     | 31.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 12              | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.7  | ---- |
| Cholecystectomy.....                       | 2               | 0.0                 | 0.8  | ---- | 0.0     | 1.5  | ---- | 0.0      | 1.9  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 360140

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.5 years  
Proportion female..... 60.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 3.6 %  
Chronic cardiovascular disease..... 38.8 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.6 %  
Chronic pulmonary disease..... 17.0 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 55.6%  
State ..... 34.1%  
Outside State ..... 10.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 30  
Occupancy Rate ..... 26.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.0559

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COSHOCKTON COUNTY MEMORIAL HOSPITAL

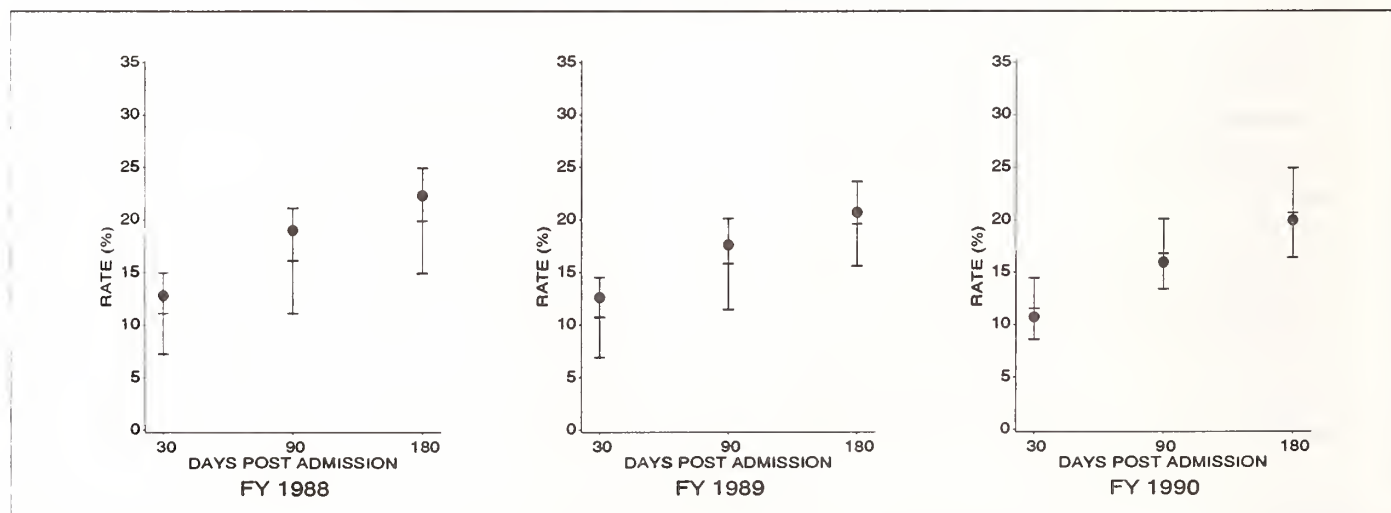
1460 ORANGE STREET  
COSHOCKTON, OH 43812  
Medicare Provider Number: 360109

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 868             | 10.7                | 11.5 | 1.5  | 15.9    | 16.7 | 1.7  | 19.9     | 20.6 | 2.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 34              | 29.4                | 27.4 | ---- | 32.4    | 30.6 | ---- | 35.3     | 33.3 | ---- |
| Congestive Heart Failure.....              | 80              | 10.0                | 14.0 | 4.7  | 17.5    | 21.7 | 5.6  | 27.5     | 27.7 | 5.2  |
| Pneumonia/Influenza.....                   | 86              | 11.6                | 19.3 | 5.3  | 19.8    | 26.1 | 5.7  | 22.1     | 30.4 | 6.1  |
| Chronic Obstructive Pulmonary Disease..... | 13              | 15.4                | 8.2  | ---- | 15.4    | 14.9 | ---- | 15.4     | 20.0 | ---- |
| Transient Cerebral Ischemia.....           | 40              | 5.0                 | 2.9  | ---- | 5.0     | 6.4  | ---- | 10.0     | 10.3 | ---- |
| Stroke.....                                | 46              | 23.9                | 22.9 | ---- | 30.4    | 29.1 | ---- | 34.8     | 33.1 | ---- |
| Hip Fracture.....                          | 9               | 0.0                 | 9.6  | ---- | 22.2    | 16.2 | ---- | 44.4     | 21.0 | ---- |
| Sepsis.....                                | 5               | 20.0                | 42.3 | ---- | 40.0    | 50.8 | ---- | 40.0     | 56.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 7.4  | ---- | 14.3    | 12.2 | ---- | 28.6     | 15.7 | ---- |
| Prostatectomy.....                         | 18              | 0.0                 | 1.2  | ---- | 0.0     | 3.0  | ---- | 0.0      | 5.1  | ---- |
| Cholecystectomy.....                       | 11              | 9.1                 | 3.0  | ---- | 9.1     | 6.3  | ---- | 9.1      | 9.0  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.2  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COSHOCTON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 360109

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 57.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 22.7 %  
Transferred from skilled nursing facility..... 12.9 %  
Admitted for elective procedure..... 1.5 %  
Admitted for emergency..... 74.1 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 53.6 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 22.1 %  
Cerebrovascular degeneration..... 6.8 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.8%  
State ..... 15.3%  
Outside State ..... 0.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 110  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.0424

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 52  
Licensed Practical Nurses ..... 18

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CRESTLINE MEMORIAL HOSPITAL

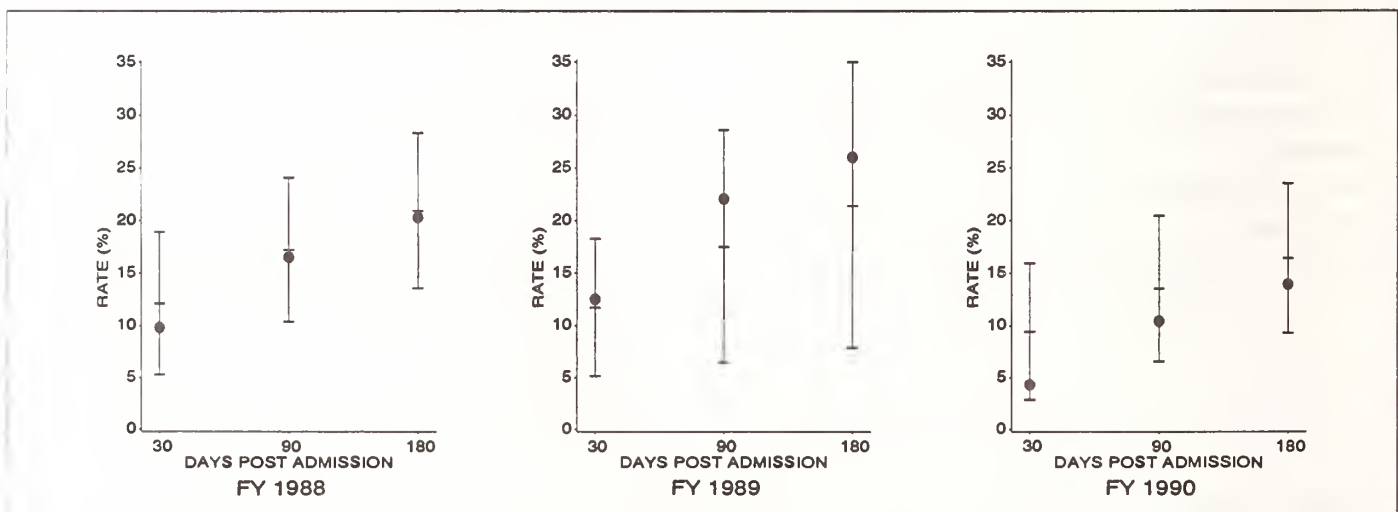
291 HEISER COURT  
CRESTLINE, OH 44827  
Medicare Provider Number: 360164

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 115             | 4.3                 | 9.4  | 3.3  | 10.4    | 13.5 | 3.5  | 13.9     | 16.4 | 3.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2               | 0.0                 | 25.2 | ---- | 0.0     | 30.3 | ---- | 0.0      | 35.4 | ---- |
| Congestive Heart Failure.....              | 10              | 20.0                | 17.3 | ---- | 30.0    | 26.8 | ---- | 30.0     | 32.7 | ---- |
| Pneumonia/Influenza.....                   | 12              | 0.0                 | 15.2 | ---- | 8.3     | 20.5 | ---- | 16.7     | 23.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 7.8  | ---- | 0.0     | 13.2 | ---- | 33.3     | 17.7 | ---- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 2               | 0.0                 | 27.1 | ---- | 0.0     | 34.4 | ---- | 0.0      | 38.6 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 7               | 0.0                 | 38.4 | ---- | 28.6    | 45.2 | ---- | 28.6     | 49.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 8               | 0.0                 | 0.4  | ---- | 0.0     | 1.1  | ---- | 0.0      | 1.9  | ---- |
| Cholecystectomy.....                       | 5               | 0.0                 | 0.6  | ---- | 0.0     | 1.2  | ---- | 20.0     | 1.8  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CRESTLINE MEMORIAL HOSPITAL

Medicare Provider Number: 360164

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.4 years  
Proportion female..... 47.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 7.0 %  
Admitted for emergency..... 49.6 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 31.3 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 5.2 %  
Chronic pulmonary disease..... 6.1 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 6.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 61.8%  
State..... 36.6%  
Outside State..... 1.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.2 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 40  
Occupancy Rate..... 57.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 52.4 %  
Case Mix Index (CMI)..... 1.0800

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists.....(Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CUYAHOGA FALLS GENERAL HOSPITAL

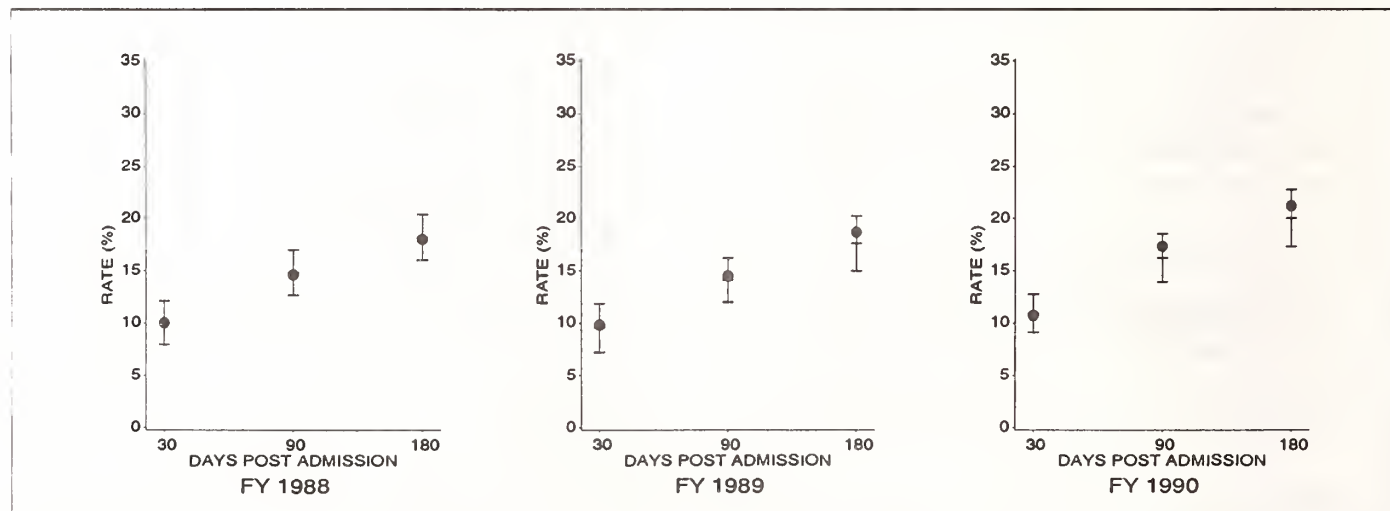
1900 23RD ST  
CUYAHOGA FALLS, OH 44223  
Medicare Provider Number: 360150

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1248            | 10.7                | 10.9 | 0.9   | 17.3    | 16.2 | 1.2   | 21.2     | 20.0 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 37              | 24.3                | 29.0 | ----- | 29.7    | 31.7 | ----- | 32.4     | 34.2 | ----- |
| Congestive Heart Failure.....              | 71              | 16.9                | 16.0 | 4.5   | 23.9    | 24.6 | 5.4   | 31.0     | 30.7 | 5.7   |
| Pneumonia/Influenza.....                   | 73              | 23.3                | 21.3 | 10.3  | 31.5    | 29.1 | 8.1   | 39.7     | 33.8 | 7.5   |
| Chronic Obstructive Pulmonary Disease..... | 29              | 13.8                | 9.0  | ----- | 20.7    | 14.6 | ----- | 27.6     | 19.0 | ----- |
| Transient Cerebral Ischemia.....           | 15              | 0.0                 | 1.9  | ----- | 6.7     | 4.5  | ----- | 6.7      | 7.2  | ----- |
| Stroke.....                                | 42              | 11.9                | 21.7 | ----- | 19.0    | 28.4 | ----- | 21.4     | 32.4 | ----- |
| Hip Fracture.....                          | 37              | 5.4                 | 6.7  | ----- | 13.5    | 11.8 | ----- | 16.2     | 15.4 | ----- |
| Sepsis.....                                | 18              | 27.8                | 35.0 | ----- | 33.3    | 42.1 | ----- | 33.3     | 46.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 11              | 9.1                 | 5.1  | ----- | 9.1     | 9.7  | ----- | 9.1      | 13.5 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 27              | 3.7                 | 3.2  | ----- | 7.4     | 5.7  | ----- | 11.1     | 7.6  | ----- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 7.0  | ----- | 27.3    | 13.0 | ----- | 27.3     | 17.3 | ----- |
| Prostatectomy.....                         | 21              | 0.0                 | 1.1  | ----- | 4.8     | 2.2  | ----- | 4.8      | 3.5  | ----- |
| Cholecystectomy.....                       | 37              | 0.0                 | 5.3  | ----- | 2.7     | 8.8  | ----- | 5.4      | 10.8 | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 1.2  | ----- | 14.3    | 2.9  | ----- | 14.3     | 4.5  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CUYAHOGA FALLS GENERAL HOSPITAL

Medicare Provider Number: 360150

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.6 years  
Proportion female..... 63.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.3 %  
Transferred from skilled nursing facility..... 14.6 %  
Admitted for elective procedure..... 12.6 %  
Admitted for emergency..... 86.6 %

### COMORBIDITIES:

Cancer..... 5.8 %  
Chronic cardiovascular disease..... 38.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 14.7 %  
Cerebrovascular degeneration..... 5.7 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.5%  
State ..... 12.8%  
Outside State ..... 2.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 158  
Occupancy Rate ..... 52.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 47.3 %  
Case Mix Index (CMI) ..... 1.2498

### STAFFING:

Total Number of Physicians..... 79  
Percent of Physicians Board  
Certified Specialists ..... 60.8 %  
Medical Residents/Interns ..... 29  
Registered Nurses..... 95  
Licensed Practical Nurses ..... 44

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEACONESS HOSPITAL

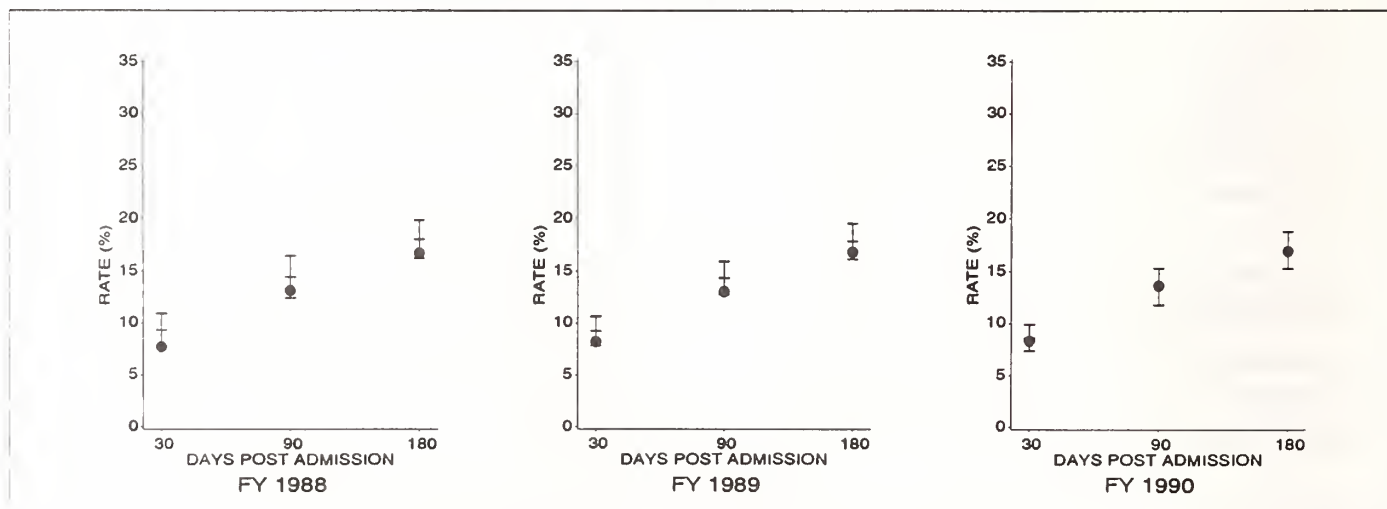
311 STRAIGHT ST  
CINCINNATI, OH 45219  
Medicare Provider Number: 360038

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2944            | 8.3                 | 8.6  | 0.6   | 13.6    | 13.5 | 0.9   | 16.9     | 17.0 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 46              | 26.1                | 26.3 | ----- | 37.0    | 30.2 | ----- | 37.0     | 32.9 | ----- |
| Congestive Heart Failure.....              | 150             | 13.3                | 14.2 | 3.2   | 20.7    | 22.8 | 4.0   | 28.0     | 29.2 | 4.7   |
| Pneumonia/Influenza.....                   | 190             | 17.4                | 16.1 | 4.5   | 24.7    | 21.9 | 5.1   | 30.5     | 26.0 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 59              | 8.5                 | 7.4  | 3.5   | 11.9    | 13.1 | 5.5   | 15.3     | 17.5 | 7.1   |
| Transient Cerebral Ischemia.....           | 38              | 0.0                 | 1.9  | ----- | 10.5    | 4.4  | ----- | 10.5     | 7.4  | ----- |
| Stroke.....                                | 100             | 15.0                | 18.0 | 4.2   | 20.0    | 25.1 | 5.4   | 22.0     | 29.0 | 6.3   |
| Hip Fracture.....                          | 58              | 5.2                 | 6.3  | 3.5   | 6.9     | 11.4 | 6.1   | 6.9      | 15.1 | 8.4   |
| Sepsis.....                                | 29              | 17.2                | 25.3 | ----- | 34.5    | 31.5 | ----- | 34.5     | 36.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 41              | 2.4                 | 3.4  | ----- | 7.3     | 5.1  | ----- | 7.3      | 6.6  | ----- |
| Coronary Artery Bypass Graft.....          | 84              | 2.4                 | 5.1  | 2.9   | 2.4     | 7.5  | 3.9   | 2.4      | 8.6  | 4.3   |
| Initial Pacemaker Insertion.....           | 36              | 2.8                 | 2.6  | ----- | 8.3     | 5.5  | ----- | 11.1     | 8.3  | ----- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 1.0  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.1  | ----- |
| Hip Replacement/Reconstruction.....        | 36              | 2.8                 | 4.3  | ----- | 5.6     | 8.2  | ----- | 5.6      | 11.2 | ----- |
| Open Reduction of Hip Fracture.....        | 33              | 3.0                 | 4.9  | ----- | 3.0     | 9.2  | ----- | 3.0      | 12.7 | ----- |
| Prostatectomy.....                         | 83              | 0.0                 | 1.2  | 1.6   | 1.2     | 2.9  | 2.5   | 2.4      | 4.8  | 3.3   |
| Cholecystectomy.....                       | 61              | 6.6                 | 3.3  | 4.2   | 11.5    | 6.5  | 5.6   | 11.5     | 8.8  | 5.0   |
| Hysterectomy.....                          | 20              | 0.0                 | 0.9  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# DEACONESS HOSPITAL

Medicare Provider Number: 360038

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.2 years |
| Proportion female.....        | 62.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 69.7 % |
| Transferred from skilled nursing facility..... | 0.8 %  |
| Admitted for elective procedure.....           | 11.3 % |
| Admitted for emergency.....                    | 55.6 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.4 %  |
| Chronic cardiovascular disease..... | 32.2 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 3.2 %  |
| Chronic pulmonary disease.....      | 11.7 % |
| Cerebrovascular degeneration.....   | 5.9 %  |
| Diabetes mellitus.....              | 8.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 85.3%  |
| State .....         | 9.3%   |
| Outside State ..... | 5.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.0 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 265                 |
| Occupancy Rate .....       | 70.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 61.4 %              |
| Case Mix Index (CMI) ..... | 1.4241              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 184    |
| Percent of Physicians Board<br>Certified Specialists ..... | 82.1 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 179    |
| Licensed Practical Nurses .....                            | 67     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEACONESS HOSPITAL

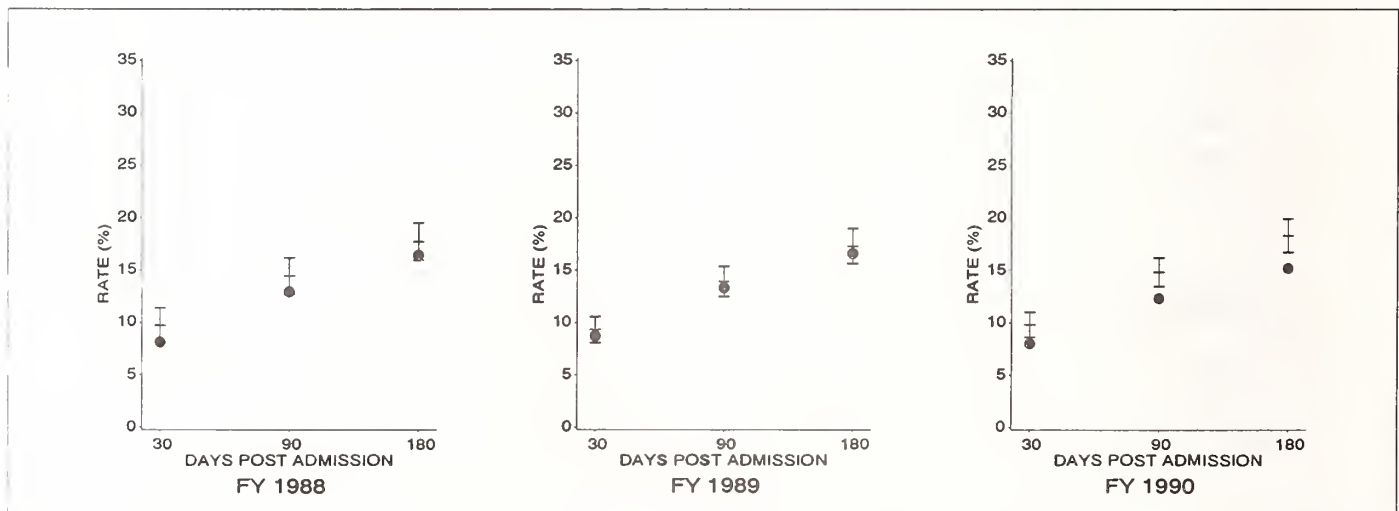
4229 PEARL RD  
CLEVELAND, OH 44109  
Medicare Provider Number: 360102

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2822            | 8.0                 | 9.8  | 0.6  | 12.3    | 14.8 | 0.7  | 15.2     | 18.3 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 76              | 30.3                | 27.3 | 6.4  | 32.9    | 30.1 | 6.7  | 34.2     | 32.6 | 7.5  |
| Congestive Heart Failure.....              | 189             | 11.1                | 16.1 | 3.5  | 23.3    | 25.0 | 4.0  | 29.1     | 31.5 | 4.1  |
| Pneumonia/Influenza.....                   | 127             | 15.0                | 19.0 | 4.9  | 23.6    | 25.4 | 4.1  | 28.3     | 29.5 | 4.1  |
| Chronic Obstructive Pulmonary Disease..... | 59              | 8.5                 | 12.1 | 4.7  | 8.5     | 19.7 | 6.9  | 13.6     | 25.0 | 8.0  |
| Transient Cerebral Ischemia.....           | 60              | 0.0                 | 1.8  | 2.0  | 0.0     | 3.7  | 3.1  | 1.7      | 5.8  | 3.5  |
| Stroke.....                                | 125             | 19.2                | 19.8 | 4.1  | 24.8    | 26.3 | 4.2  | 28.8     | 30.0 | 4.9  |
| Hip Fracture.....                          | 48              | 12.5                | 8.6  | ---- | 14.6    | 14.8 | ---- | 18.8     | 18.6 | ---- |
| Sepsis.....                                | 19              | 5.3                 | 19.8 | ---- | 15.8    | 27.6 | ---- | 21.1     | 32.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 24              | 0.0                 | 3.3  | ---- | 8.3     | 6.1  | ---- | 8.3      | 8.7  | ---- |
| Carotid Endarterectomy.....                | 30              | 0.0                 | 1.4  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.8  | ---- |
| Hip Replacement/Reconstruction.....        | 34              | 8.8                 | 4.6  | ---- | 11.8    | 8.3  | ---- | 14.7     | 10.7 | ---- |
| Open Reduction of Hip Fracture.....        | 19              | 15.8                | 5.9  | ---- | 15.8    | 10.5 | ---- | 21.1     | 13.7 | ---- |
| Prostatectomy.....                         | 65              | 0.0                 | 1.3  | 1.7  | 0.0     | 2.8  | 2.8  | 0.0      | 4.5  | 3.8  |
| Cholecystectomy.....                       | 53              | 5.7                 | 2.7  | 3.0  | 7.5     | 5.2  | 3.4  | 7.5      | 7.2  | 3.6  |
| Hysterectomy.....                          | 20              | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DEACONESS HOSPITAL

Medicare Provider Number: 360102

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 61.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.7 %  
Transferred from skilled nursing facility..... 7.7 %  
Admitted for elective procedure..... 15.9 %  
Admitted for emergency..... 54.6 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 49.0 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 12.6 %  
Cerebrovascular degeneration..... 3.2 %  
Diabetes mellitus..... 7.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 96.7%  
State..... 2.0%  
Outside State..... 1.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.6 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 316  
Occupancy Rate..... 60.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 50.3 %  
Case Mix Index (CMI)..... 1.2202

### STAFFING:

Total Number of Physicians..... 165  
Percent of Physicians Board  
Certified Specialists..... 67.9 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 173  
Licensed Practical Nurses..... 89

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEFIANCE HOSPITAL INC

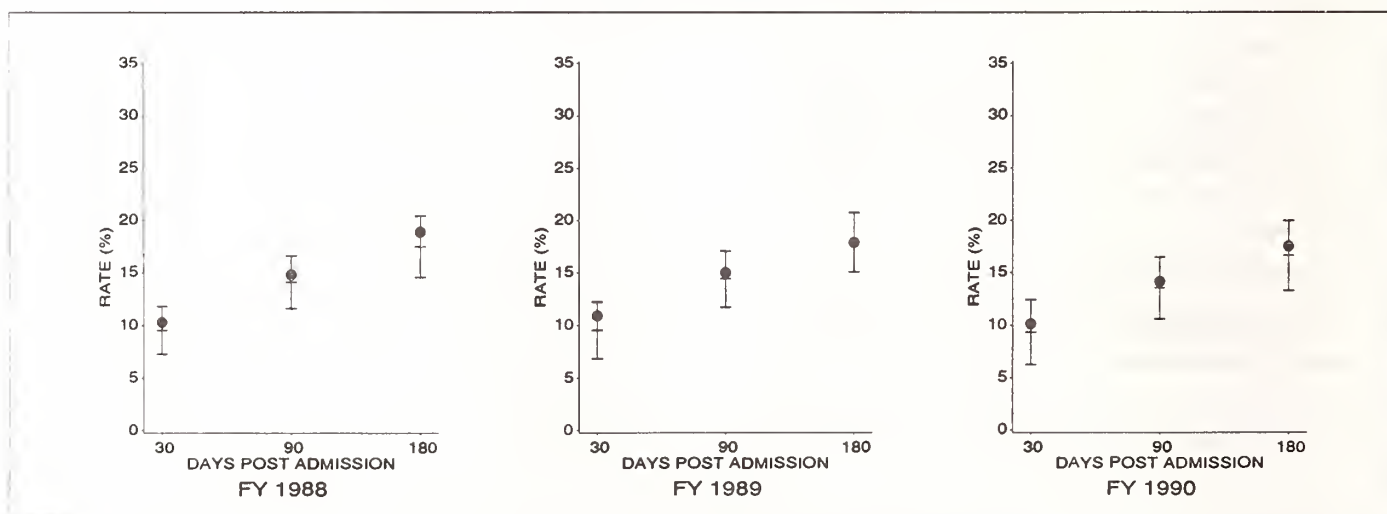
1206 E 2ND ST  
DEFIANCE, OH 43512  
Medicare Provider Number: 360093

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 753             | 10.1                | 9.3  | 1.5   | 14.1    | 13.5 | 1.5   | 17.5     | 16.6 | 1.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 30              | 33.3                | 27.6 | ----- | 33.3    | 30.0 | ----- | 36.7     | 32.7 | ----- |
| Congestive Heart Failure.....              | 39              | 28.2                | 14.7 | ----- | 35.9    | 22.8 | ----- | 38.5     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 80              | 18.7                | 15.2 | 4.6   | 25.0    | 20.9 | 5.3   | 30.0     | 24.6 | 5.8   |
| Chronic Obstructive Pulmonary Disease..... | 23              | 4.3                 | 10.0 | ----- | 8.7     | 18.0 | ----- | 17.4     | 24.1 | ----- |
| Transient Cerebral Ischemia.....           | 11              | 0.0                 | 1.3  | ----- | 9.1     | 3.1  | ----- | 9.1      | 5.2  | ----- |
| Stroke.....                                | 29              | 20.7                | 15.8 | ----- | 31.0    | 23.0 | ----- | 37.9     | 26.9 | ----- |
| Hip Fracture.....                          | 18              | 5.6                 | 7.2  | ----- | 5.6     | 13.3 | ----- | 5.6      | 17.5 | ----- |
| Sepsis.....                                | 6               | 0.0                 | 25.1 | ----- | 0.0     | 30.6 | ----- | 16.7     | 34.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 2.8  | ----- | 0.0     | 5.0  | ----- | 0.0      | 7.2  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 5               | 0.0                 | 4.0  | ----- | 0.0     | 7.5  | ----- | 0.0      | 10.1 | ----- |
| Open Reduction of Hip Fracture.....        | 13              | 7.7                 | 7.3  | ----- | 7.7     | 14.1 | ----- | 7.7      | 18.9 | ----- |
| Prostatectomy.....                         | 16              | 0.0                 | 0.9  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.5  | ----- |
| Cholecystectomy.....                       | 13              | 0.0                 | 1.1  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.5  | ----- |
| Hysterectomy.....                          | 11              | 0.0                 | 0.9  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# DEFIANCE HOSPITAL INC

Medicare Provider Number: 360093

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 74.9 years | Cancer.....                         | 5.3 %  |
| Proportion female.....                         | 59.0 %     | Chronic cardiovascular disease..... | 34.5 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 1.1 %  |
| Referred by personal or HMO physician.....     | 39.4 %     | Chronic renal disease.....          | 2.1 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 12.4 % |
| Admitted for elective procedure.....           | 6.8 %      | Cerebrovascular degeneration.....   | 4.6 %  |
| Admitted for emergency.....                    | 58.8 %     | Diabetes mellitus.....              | 9.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 66.5%  | Hospital .....                          | 5.5 Days |
| State .....                                  | 32.1%  | State .....                             | 8.3 Days |
| Outside State .....                          | 1.4%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 96                  | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 45.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 30.5 %              | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.1288              | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 37                  | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 78.4 %              | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 68                  | Alcohol/Drug.....                               | No  |
| Licensed Practical Nurses .....                                    | 31                  | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | Yes |
|                                                                    |                     | Medicare Swing Beds .....                       | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

**DETTMER HOSPITAL INC**

3130 N DIXIE HIGHWAY  
TROY, OH 45373  
Medicare Provider Number: 360184

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 14                 | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

**DETTMER HOSPITAL INC**

Medicare Provider Number: 360184

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES****DEMOGRAPHICS:**

Average age at admission..... 46.2 years  
 Proportion female..... 50.0 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 92.9 %  
 Transferred from skilled nursing facility..... 0.0 %  
 Admitted for elective procedure..... 7.1 %  
 Admitted for emergency..... 0.0 %

**COMORBIDITIES:**

Cancer..... 0.0 %  
 Chronic cardiovascular disease..... 7.1 %  
 Chronic liver disease..... 14.3 %  
 Chronic renal disease..... 0.0 %  
 Chronic pulmonary disease..... 0.0 %  
 Cerebrovascular degeneration..... 7.1 %  
 Diabetes mellitus..... 0.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*****ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 21.7%  
 State ..... 65.3%  
 Outside State ..... 13.0%  
 Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 9.9 Days  
 State ..... 8.3 Days  
 National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

**PROFILE:**

Total Beds ..... 214  
 Ownership/Control..... Private, Non-Profit  
 Case Mix Index (CMI) ..... 0.7221

**STAFFING:**

Medical Residents/Interns ..... 0  
 Registered Nurses..... 40  
 Licensed Practical Nurses ..... 11

**SPECIALTY SERVICES:**

Burn Unit ..... No  
 Coronary Care Unit ..... No  
 Hospice Care ..... Yes  
 Intensive Care Unit ..... No  
 Organ Transplant ..... No  
 Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... Yes  
 Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

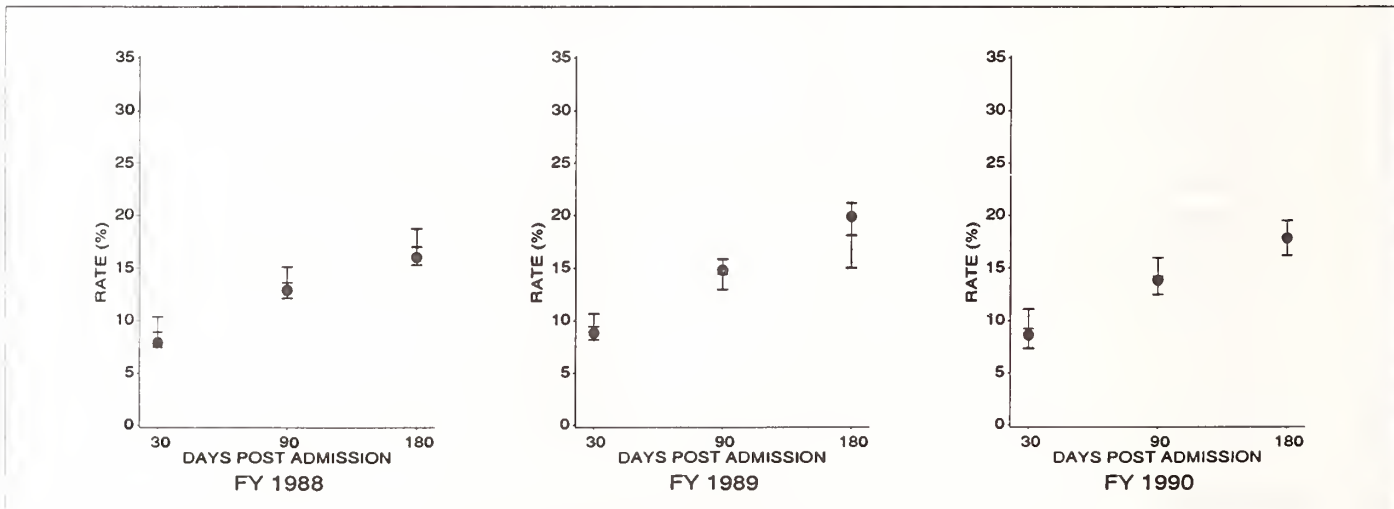
**DOCTORS HOSPITAL**  
1087 DENNISON AVE  
COLUMBUS, OH 43201  
Medicare Provider Number: 360152

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2712               | 8.6                 | 9.2  | 0.9   | 13.8    | 14.2 | 0.9   | 17.8     | 17.8 | 0.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 69                 | 26.1                | 24.0 | 5.9   | 27.5    | 26.9 | 6.4   | 30.4     | 29.9 | 5.8   |
| Congestive Heart Failure.....              | 144                | 5.6                 | 14.1 | 4.2   | 13.9    | 22.3 | 5.4   | 20.8     | 28.4 | 4.8   |
| Pneumonia/Influenza.....                   | 116                | 10.3                | 15.2 | 3.7   | 12.1    | 20.5 | 4.6   | 13.8     | 24.0 | 5.2   |
| Chronic Obstructive Pulmonary Disease..... | 100                | 7.0                 | 9.0  | 4.6   | 12.0    | 15.9 | 6.0   | 17.0     | 20.8 | 6.6   |
| Transient Cerebral Ischemia.....           | 30                 | 0.0                 | 1.3  | ----- | 0.0     | 3.1  | ----- | 3.3      | 5.1  | ----- |
| Stroke.....                                | 67                 | 16.4                | 21.9 | 6.5   | 25.4    | 29.7 | 6.5   | 28.4     | 34.0 | 7.0   |
| Hip Fracture.....                          | 54                 | 7.4                 | 7.2  | 3.5   | 16.7    | 12.5 | 6.1   | 20.4     | 16.3 | 6.6   |
| Sepsis.....                                | 22                 | 36.4                | 26.7 | ----- | 45.5    | 33.7 | ----- | 45.5     | 37.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 63                 | 1.6                 | 2.3  | 2.0   | 3.2     | 3.1  | 2.2   | 6.3      | 3.9  | 3.1   |
| Coronary Artery Bypass Graft.....          | 42                 | 7.1                 | 4.5  | ----- | 7.1     | 6.5  | ----- | 7.1      | 7.3  | ----- |
| Initial Pacemaker Insertion.....           | 28                 | 3.6                 | 3.8  | ----- | 3.6     | 7.0  | ----- | 10.7     | 9.6  | ----- |
| Carotid Endarterectomy.....                | 23                 | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.0  | ----- |
| Hip Replacement/Reconstruction.....        | 37                 | 5.4                 | 3.4  | ----- | 13.5    | 6.3  | ----- | 13.5     | 8.6  | ----- |
| Open Reduction of Hip Fracture.....        | 22                 | 4.5                 | 7.1  | ----- | 9.1     | 13.2 | ----- | 18.2     | 17.3 | ----- |
| Prostatectomy.....                         | 75                 | 1.3                 | 0.8  | 1.4   | 2.7     | 1.9  | 1.7   | 4.0      | 3.3  | 2.1   |
| Cholecystectomy.....                       | 54                 | 5.6                 | 2.6  | 3.1   | 7.4     | 4.7  | 5.1   | 13.0     | 6.1  | 6.3   |
| Hysterectomy.....                          | 23                 | 4.3                 | 0.8  | ----- | 4.3     | 1.7  | ----- | 8.7      | 2.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# DOCTORS HOSPITAL

Medicare Provider Number: 360152

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.2 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.2 %  
Transferred from skilled nursing facility..... 2.4 %  
Admitted for elective procedure..... 22.4 %  
Admitted for emergency..... 47.9 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 36.7 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 6.7 %  
Chronic pulmonary disease..... 23.8 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 9.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.9 %  
State..... 23.4 %  
Outside State..... 1.7 %  
Total..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 10.3 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 392  
Occupancy Rate..... 66.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 32.6 %  
Case Mix Index (CMI)..... 1.4375

### STAFFING:

Total Number of Physicians..... 410  
Percent of Physicians Board  
Certified Specialists..... 50.7 %  
Medical Residents/Interns..... 116  
Registered Nurses..... 371  
Licensed Practical Nurses..... 42

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# DOCTORS HOSPITAL INC

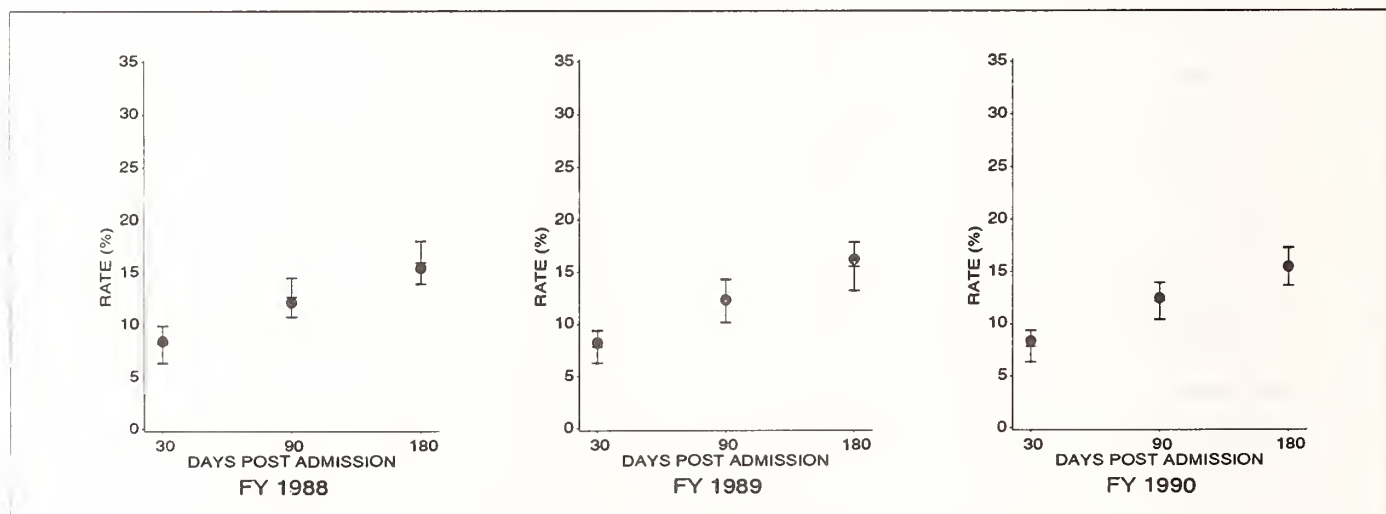
400 AUSTIN AVE NW  
MASSILLON, OH 44646  
Medicare Provider Number: 360151

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1534            | 8.3                 | 7.8  | 0.8   | 12.4    | 12.1 | 0.9   | 15.4     | 15.4 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 40              | 42.5                | 28.3 | ----- | 47.5    | 31.8 | ----- | 47.5     | 34.7 | ----- |
| Congestive Heart Failure.....              | 80              | 12.5                | 14.6 | 4.5   | 22.5    | 22.8 | 4.9   | 26.2     | 29.0 | 5.5   |
| Pneumonia/Influenza.....                   | 67              | 16.4                | 13.5 | 5.0   | 16.4    | 18.9 | 6.1   | 20.9     | 22.7 | 6.9   |
| Chronic Obstructive Pulmonary Disease..... | 63              | 7.9                 | 8.5  | 3.7   | 11.1    | 14.7 | 6.0   | 14.3     | 19.4 | 7.7   |
| Transient Cerebral Ischemia.....           | 20              | 0.0                 | 1.7  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.3  | ----- |
| Stroke.....                                | 43              | 11.6                | 19.1 | ----- | 27.9    | 24.7 | ----- | 27.9     | 28.2 | ----- |
| Hip Fracture.....                          | 23              | 13.0                | 6.5  | ----- | 13.0    | 11.2 | ----- | 13.0     | 14.7 | ----- |
| Sepsis.....                                | 11              | 36.4                | 26.9 | ----- | 54.5    | 34.9 | ----- | 54.5     | 39.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 4.2  | ----- | 7.1     | 8.2  | ----- | 7.1      | 11.9 | ----- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 3.7  | ----- | 0.0     | 5.8  | ----- | 16.7     | 7.6  | ----- |
| Hip Replacement/Reconstruction.....        | 37              | 5.4                 | 2.0  | ----- | 5.4     | 3.6  | ----- | 5.4      | 4.8  | ----- |
| Open Reduction of Hip Fracture.....        | 12              | 8.3                 | 6.2  | ----- | 8.3     | 11.1 | ----- | 8.3      | 15.0 | ----- |
| Prostatectomy.....                         | 41              | 4.9                 | 1.2  | ----- | 4.9     | 2.8  | ----- | 7.3      | 4.6  | ----- |
| Cholecystectomy.....                       | 13              | 7.7                 | 2.1  | ----- | 7.7     | 3.6  | ----- | 7.7      | 4.6  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DOCTORS HOSPITAL INC

Medicare Provider Number: 360151

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.6 years  
Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.4 %  
Transferred from skilled nursing facility..... 7.4 %  
Admitted for elective procedure..... 23.0 %  
Admitted for emergency..... 10.9 %

### COMORBIDITIES:

Cancer..... 4.5 %  
Chronic cardiovascular disease..... 40.8 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 26.9 %  
Cerebrovascular degeneration..... 5.9 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 79.0%  
State..... 19.3%  
Outside State..... 1.7%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.3 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 162  
Occupancy Rate..... 63.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 40.6 %  
Case Mix Index (CMI)..... 1.2485

### STAFFING:

Total Number of Physicians..... 77  
Percent of Physicians Board  
Certified Specialists..... 76.6 %  
Medical Residents/Interns..... 22  
Registered Nurses..... 114  
Licensed Practical Nurses..... 55

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... Yes  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# DOCTORS HOSPITAL OF NELSONVILLE

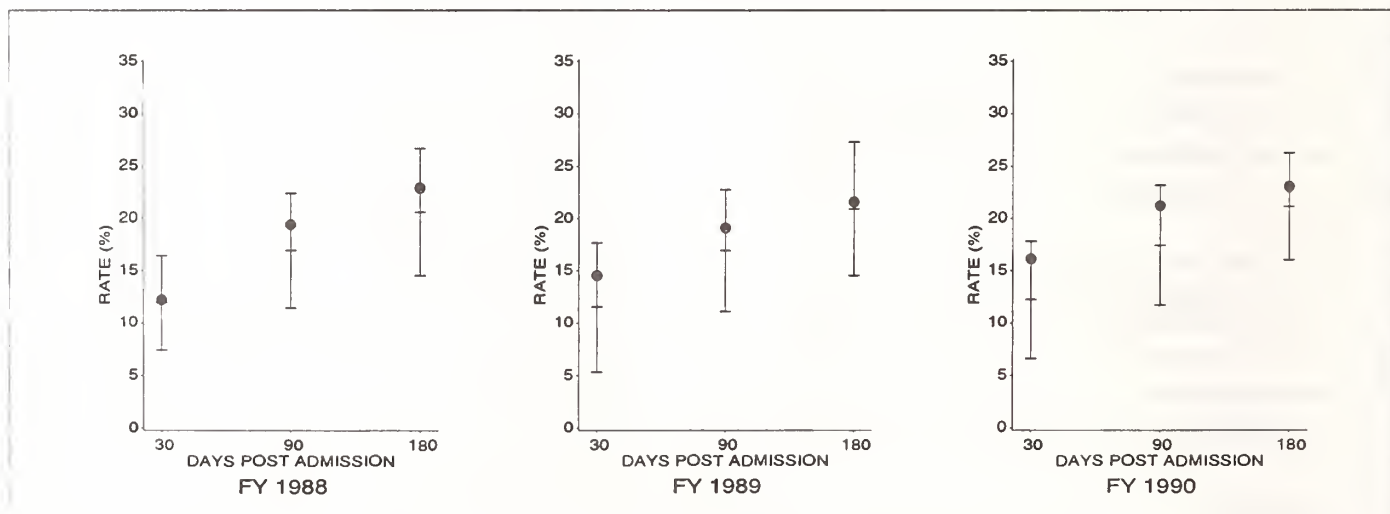
WEST FRANKLIN STREET  
NELSONVILLE, OH 45764  
Medicare Provider Number: 360067

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 335                | 16.1                | 12.2 | 2.8  | 21.2    | 17.4 | 2.9  | 23.0     | 21.1 | 2.6  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 18                 | 44.4                | 33.0 | ---- | 50.0    | 36.5 | ---- | 50.0     | 39.2 | ---- |
| Congestive Heart Failure.....              | 18                 | 33.3                | 13.3 | ---- | 33.3    | 21.1 | ---- | 38.9     | 26.8 | ---- |
| Pneumonia/Influenza.....                   | 19                 | 26.3                | 18.1 | ---- | 31.6    | 24.4 | ---- | 36.8     | 28.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 17                 | 5.9                 | 10.0 | ---- | 5.9     | 16.4 | ---- | 5.9      | 20.6 | ---- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 1.8  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.4  | ---- |
| Stroke.....                                | 22                 | 13.6                | 20.6 | ---- | 27.3    | 27.9 | ---- | 27.3     | 32.0 | ---- |
| Hip Fracture.....                          | 12                 | 8.3                 | 5.4  | ---- | 25.0    | 9.5  | ---- | 25.0     | 12.4 | ---- |
| Sepsis.....                                | 2                  | 50.0                | 27.3 | ---- | 50.0    | 31.9 | ---- | 50.0     | 36.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 4                  | 25.0                | 3.6  | ---- | 25.0    | 6.7  | ---- | 25.0     | 9.0  | ---- |
| Open Reduction of Hip Fracture.....        | 6                  | 0.0                 | 5.0  | ---- | 33.3    | 9.0  | ---- | 33.3     | 11.9 | ---- |
| Prostatectomy.....                         | 7                  | 0.0                 | 1.0  | ---- | 28.6    | 2.7  | ---- | 28.6     | 5.0  | ---- |
| Cholecystectomy.....                       | 5                  | 0.0                 | 8.4  | ---- | 0.0     | 13.0 | ---- | 0.0      | 14.7 | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# DOCTORS HOSPITAL OF NELSONVILLE

Medicare Provider Number: 360067

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 59.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 32.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 5.4 %  
Admitted for emergency..... 94.3 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 42.9 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.3 %  
Chronic pulmonary disease..... 34.8 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 11.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 82.8%  
State..... 16.4%  
Outside State..... 0.8%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.8 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 75  
Occupancy Rate..... 73.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 51.5 %  
Case Mix Index (CMI)..... 1.2526

### STAFFING:

Total Number of Physicians..... 30  
Percent of Physicians Board  
Certified Specialists..... 60.0 %  
Medical Residents/Interns..... 12  
Registered Nurses..... 26  
Licensed Practical Nurses..... 12

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# DUNLAP MEMORIAL HOSPITAL

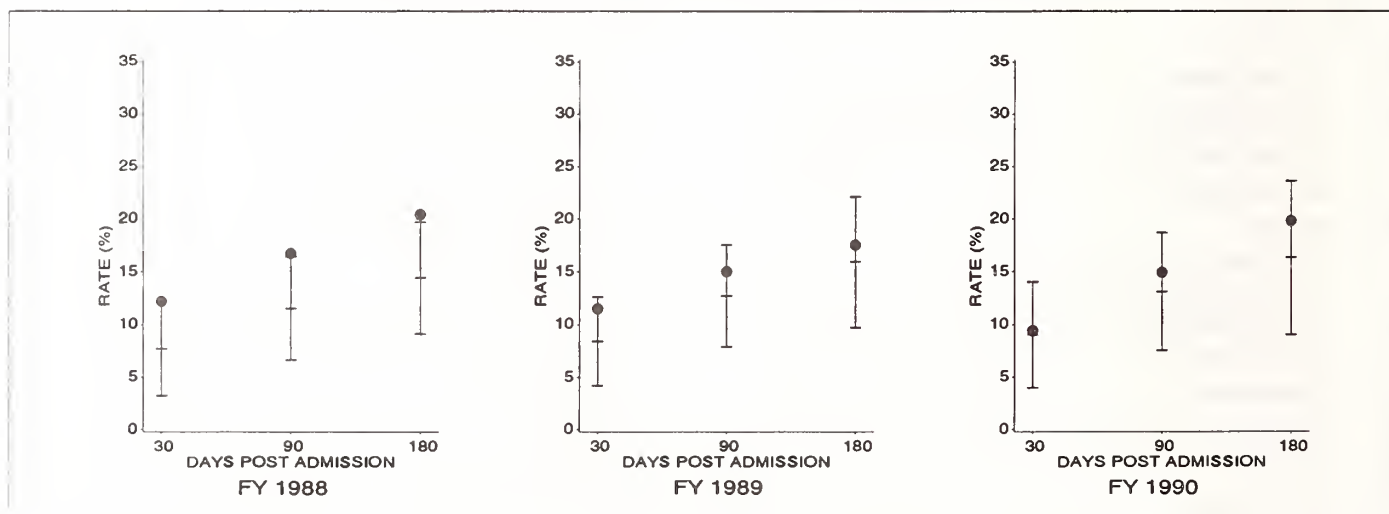
832 SOUTH MAIN STREET  
ORRVILLE, OH 44667  
Medicare Provider Number: 360034

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 288             | 9.4                 | 9.0  | 2.5   | 14.9    | 13.1 | 2.8   | 19.8     | 16.3 | 3.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 14              | 21.4                | 27.6 | ----- | 21.4    | 31.1 | ----- | 28.6     | 34.0 | ----- |
| Congestive Heart Failure.....              | 14              | 14.3                | 15.2 | ----- | 28.6    | 22.9 | ----- | 28.6     | 28.6 | ----- |
| Pneumonia/Influenza.....                   | 16              | 18.8                | 16.2 | ----- | 18.8    | 21.4 | ----- | 18.8     | 24.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 7.4  | ----- | 25.0    | 13.1 | ----- | 25.0     | 17.2 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 14.3                | 1.6  | ----- | 14.3    | 3.7  | ----- | 42.9     | 6.0  | ----- |
| Stroke.....                                | 9               | 22.2                | 26.1 | ----- | 22.2    | 34.9 | ----- | 33.3     | 38.7 | ----- |
| Hip Fracture.....                          | 9               | 0.0                 | 7.9  | ----- | 22.2    | 14.3 | ----- | 22.2     | 19.6 | ----- |
| Sepsis.....                                | 7               | 42.9                | 30.0 | ----- | 42.9    | 36.3 | ----- | 42.9     | 40.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 5.3  | ----- | 33.3    | 10.8 | ----- | 33.3     | 14.6 | ----- |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 8.0  | ----- | 20.0    | 14.4 | ----- | 20.0     | 19.7 | ----- |
| Prostatectomy.....                         | 13              | 0.0                 | 0.5  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.3  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 1.3  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.5  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) Is not calculated If the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DUNLAP MEMORIAL HOSPITAL

Medicare Provider Number: 360034

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years

Proportion female..... 59.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.0 %

Transferred from skilled nursing facility..... 8.0 %

Admitted for elective procedure..... 17.7 %

Admitted for emergency..... 52.4 %

### COMORBIDITIES:

Cancer..... 5.6 %

Chronic cardiovascular disease..... 37.5 %

Chronic liver disease..... 0.3 %

Chronic renal disease..... 2.8 %

Chronic pulmonary disease..... 12.2 %

Cerebrovascular degeneration..... 5.9 %

Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 88.5%

State..... 9.7%

Outside State..... 1.8%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.1 Days

State..... 8.3 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 35

Occupancy Rate..... 34.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges..... 29.0 %

Case Mix Index (CMI)..... 1.0849

### STAFFING:

Total Number of Physicians..... 23

Percent of Physicians Board  
Certified Specialists..... 56.5 %

Medical Residents/Interns..... 1

Registered Nurses..... 30

Licensed Practical Nurses..... 21

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... Yes

Comprehensive Geriatric..... No

Hospice Care..... No

Medical/Surgical Intensive Care..... No

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# EAST LIVERPOOL CITY HOSPITAL

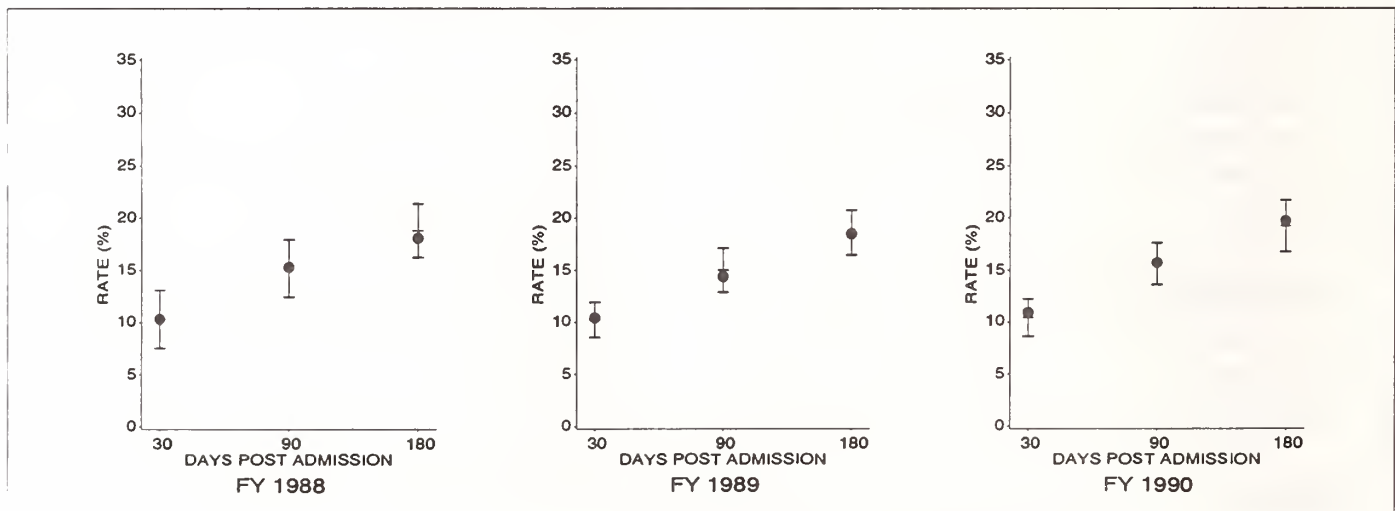
425 W 5TH STREET  
EAST LIVERPOOL, OH 43920  
Medicare Provider Number: 360096

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1419            | 10.9                | 10.4 | 0.9  | 15.7    | 15.6 | 1.0  | 19.7     | 19.2 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 69              | 20.3                | 23.0 | 5.6  | 24.6    | 26.3 | 5.8  | 31.9     | 29.3 | 6.4  |
| Congestive Heart Failure.....              | 116             | 19.0                | 14.0 | 4.6  | 29.3    | 22.5 | 5.4  | 37.9     | 28.8 | 6.5  |
| Pneumonia/Influenza.....                   | 58              | 8.6                 | 17.8 | 6.5  | 13.8    | 24.4 | 7.6  | 15.5     | 28.6 | 8.6  |
| Chronic Obstructive Pulmonary Disease..... | 65              | 9.2                 | 8.4  | 3.5  | 13.8    | 14.6 | 4.4  | 15.4     | 19.3 | 5.3  |
| Transient Cerebral Ischemia.....           | 38              | 2.6                 | 1.9  | ---- | 5.3     | 4.0  | ---- | 7.9      | 6.3  | ---- |
| Stroke.....                                | 52              | 28.8                | 22.5 | 7.7  | 36.5    | 29.3 | 8.2  | 38.5     | 33.2 | 7.4  |
| Hip Fracture.....                          | 27              | 7.4                 | 5.1  | ---- | 7.4     | 9.2  | ---- | 7.4      | 12.2 | ---- |
| Sepsis.....                                | 18              | 38.9                | 21.2 | ---- | 44.4    | 29.3 | ---- | 50.0     | 33.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 3.7  | ---- | 0.0     | 6.5  | ---- | 0.0      | 9.1  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 7.0  | ---- | 0.0     | 12.6 | ---- | 0.0      | 16.6 | ---- |
| Open Reduction of Hip Fracture.....        | 19              | 10.5                | 4.5  | ---- | 10.5    | 8.2  | ---- | 10.5     | 11.1 | ---- |
| Prostatectomy.....                         | 52              | 1.9                 | 1.0  | 3.6  | 7.7     | 2.2  | 5.3  | 7.7      | 3.7  | 4.8  |
| Cholecystectomy.....                       | 20              | 5.0                 | 3.4  | ---- | 5.0     | 6.7  | ---- | 5.0      | 9.3  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# EAST LIVERPOOL CITY HOSPITAL

Medicare Provider Number: 360096

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.7 years

Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 24.9 %

Transferred from skilled nursing facility..... 0.1 %

Admitted for elective procedure..... 6.7 %

Admitted for emergency..... 90.8 %

### COMORBIDITIES:

Cancer..... 7.4 %

Chronic cardiovascular disease..... 47.1 %

Chronic liver disease..... 1.0 %

Chronic renal disease..... 3.1 %

Chronic pulmonary disease..... 27.0 %

Cerebrovascular degeneration..... 2.7 %

Diabetes mellitus..... 15.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.0%

State..... 4.6%

Outside State..... 18.4%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.8 Days

State..... 8.3 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 236

Occupancy Rate..... 40.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges..... 44.1 %

Case Mix Index (CMI)..... 1.0962

### STAFFING:

Total Number of Physicians..... 63

Percent of Physicians Board  
Certified Specialists..... 46.0 %

Medical Residents/Interns..... 0

Registered Nurses..... 137

Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... No

Comprehensive Geriatric..... No

Hospice Care..... No

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... Yes

Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# EAST OHIO REGIONAL HOSPITAL

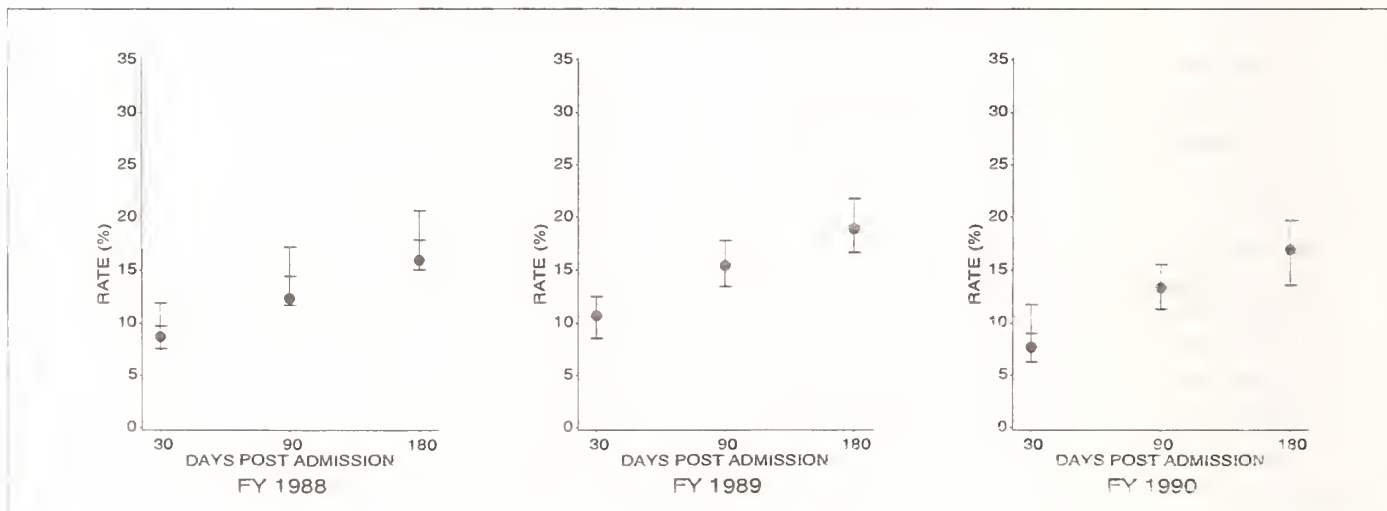
90 NORTH 4TH ST  
MARTINS FERRY, OH 43935  
Medicare Provider Number: 360080

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1124            | 7.7                 | 9.0  | 1.4  | 13.3    | 13.4 | 1.1  | 16.9     | 16.6 | 1.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 47              | 34.0                | 26.7 | ---- | 40.4    | 29.6 | ---- | 40.4     | 32.3 | ---- |
| Congestive Heart Failure.....              | 67              | 13.4                | 13.3 | 4.3  | 22.4    | 21.2 | 7.3  | 29.9     | 27.1 | 8.7  |
| Pneumonia/Influenza.....                   | 80              | 11.2                | 13.0 | 5.0  | 13.7    | 18.0 | 6.7  | 18.7     | 21.4 | 7.5  |
| Chronic Obstructive Pulmonary Disease..... | 34              | 5.9                 | 6.2  | ---- | 14.7    | 10.7 | ---- | 14.7     | 14.3 | ---- |
| Transient Cerebral Ischemia.....           | 31              | 0.0                 | 1.5  | ---- | 3.2     | 3.5  | ---- | 3.2      | 5.7  | ---- |
| Stroke.....                                | 28              | 14.3                | 19.1 | ---- | 21.4    | 25.7 | ---- | 25.0     | 29.4 | ---- |
| Hip Fracture.....                          | 20              | 0.0                 | 8.9  | ---- | 0.0     | 15.2 | ---- | 5.0      | 19.3 | ---- |
| Sepsis.....                                | 17              | 5.9                 | 22.8 | ---- | 11.8    | 32.2 | ---- | 17.6     | 36.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 2.4  | ---- | 0.0     | 4.7  | ---- | 0.0      | 7.0  | ---- |
| Carotid Endarterectomy.....                | 11              | 0.0                 | 1.3  | ---- | 9.1     | 2.4  | ---- | 9.1      | 3.8  | ---- |
| Hip Replacement/Reconstruction.....        | 7               | 0.0                 | 9.5  | ---- | 0.0     | 17.1 | ---- | 14.3     | 21.4 | ---- |
| Open Reduction of Hip Fracture.....        | 13              | 0.0                 | 6.5  | ---- | 0.0     | 11.4 | ---- | 0.0      | 15.2 | ---- |
| Prostatectomy.....                         | 45              | 2.2                 | 1.1  | ---- | 2.2     | 2.3  | ---- | 4.4      | 3.8  | ---- |
| Cholecystectomy.....                       | 20              | 0.0                 | 1.1  | ---- | 0.0     | 2.1  | ---- | 0.0      | 2.8  | ---- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.2  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# EAST OHIO REGIONAL HOSPITAL

Medicare Provider Number: 360080

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.3 years  
Proportion female..... 57.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.1 %  
Transferred from skilled nursing facility..... 0.9 %  
Admitted for elective procedure..... 15.5 %  
Admitted for emergency..... 60.3 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 43.9 %  
Chronic liver disease..... 1.6 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 18.1 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.1%  
State ..... 34.2%  
Outside State ..... 3.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 187  
Occupancy Rate ..... 78.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 51.9 %  
Case Mix Index (CMI) ..... 1.1903

### STAFFING:

Total Number of Physicians..... 72  
Percent of Physicians Board  
Certified Specialists..... 65.3 %  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses ..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# EDWIN SHAW HOSPITAL

1621 FLICKINGER ROAD  
AKRON, OH 44312  
Medicare Provider Number: 360241

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 25                 | 0.0                 | 0.8  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.7  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# EDWIN SHAW HOSPITAL

Medicare Provider Number: 360241

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 51.5 years  
Proportion female..... 20.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 76.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 24.0 %  
Chronic liver disease..... 12.0 %  
Chronic renal disease..... 4.0 %  
Chronic pulmonary disease..... 16.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 70.5%  
State ..... 25.0%  
Outside State ..... 4.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 13.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 208  
Occupancy Rate ..... 78.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 32.1 %  
Case Mix Index (CMI) ..... 0.6750

### STAFFING:

Total Number of Physicians..... 24  
Percent of Physicians Board  
Certified Specialists..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 62  
Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ELYRIA MEMORIAL HOSPITAL

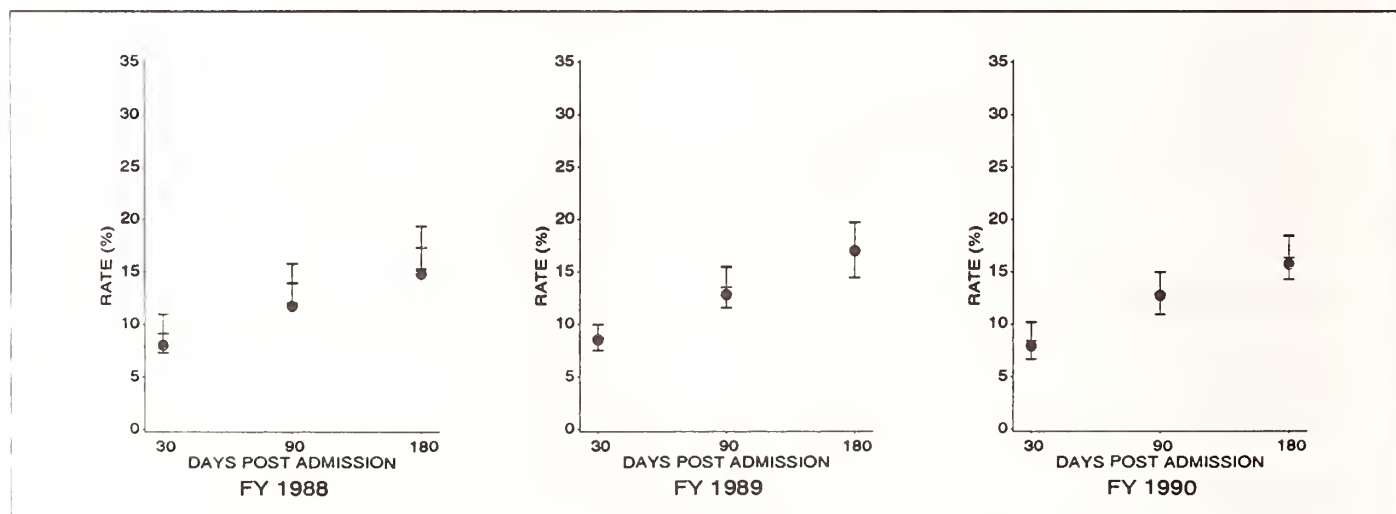
630 EAST RIVER STREET  
ELYRIA, OH 44035  
Medicare Provider Number: 360145

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2493            | 7.9                 | 8.4  | 0.9  | 12.7    | 12.9 | 1.0  | 15.7     | 16.3 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 67              | 23.9                | 26.0 | 6.5  | 25.4    | 28.7 | 6.6  | 29.9     | 31.3 | 7.4  |
| Congestive Heart Failure.....              | 143             | 16.8                | 15.9 | 3.5  | 30.1    | 25.2 | 4.2  | 38.5     | 31.7 | 4.9  |
| Pneumonia/Influenza.....                   | 95              | 11.6                | 16.6 | 5.8  | 25.3    | 23.0 | 6.7  | 29.5     | 27.3 | 5.3  |
| Chronic Obstructive Pulmonary Disease..... | 51              | 3.9                 | 8.9  | 5.1  | 7.8     | 15.3 | 7.6  | 7.8      | 20.3 | 8.6  |
| Transient Cerebral Ischemia.....           | 53              | 1.9                 | 1.5  | 2.0  | 1.9     | 3.3  | 3.4  | 1.9      | 5.4  | 5.3  |
| Stroke.....                                | 90              | 16.7                | 16.8 | 4.5  | 18.9    | 23.1 | 6.0  | 20.0     | 27.0 | 7.0  |
| Hip Fracture.....                          | 74              | 10.8                | 6.7  | 4.7  | 12.2    | 11.9 | 9.1  | 18.9     | 15.6 | 9.9  |
| Sepsis.....                                | 21              | 19.0                | 18.8 | ---- | 23.8    | 25.6 | ---- | 23.8     | 29.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 71              | 1.4                 | 2.2  | 1.8  | 1.4     | 2.9  | 2.2  | 1.4      | 3.6  | 2.7  |
| Coronary Artery Bypass Graft.....          | 94              | 4.3                 | 5.3  | 2.8  | 8.5     | 7.7  | 3.0  | 10.6     | 8.7  | 3.3  |
| Initial Pacemaker Insertion.....           | 27              | 7.4                 | 2.8  | ---- | 11.1    | 5.6  | ---- | 11.1     | 8.4  | ---- |
| Carotid Endarterectomy.....                | 24              | 4.2                 | 1.3  | ---- | 4.2     | 2.4  | ---- | 4.2      | 3.6  | ---- |
| Hip Replacement/Reconstruction.....        | 46              | 4.3                 | 4.2  | ---- | 6.5     | 7.8  | ---- | 10.9     | 10.3 | ---- |
| Open Reduction of Hip Fracture.....        | 31              | 16.1                | 5.6  | ---- | 16.1    | 10.2 | ---- | 19.4     | 13.7 | ---- |
| Prostatectomy.....                         | 69              | 0.0                 | 0.8  | 1.4  | 1.4     | 1.8  | 1.6  | 2.9      | 3.1  | 2.5  |
| Cholecystectomy.....                       | 50              | 4.0                 | 2.0  | ---- | 6.0     | 3.7  | ---- | 8.0      | 5.0  | ---- |
| Hysterectomy.....                          | 18              | 0.0                 | 0.3  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ELYRIA MEMORIAL HOSPITAL

Medicare Provider Number: 360145

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.4 years  
Proportion female..... 53.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.1 %  
Transferred from skilled nursing facility..... 4.1 %  
Admitted for elective procedure..... 20.1 %  
Admitted for emergency..... 22.7 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 41.5 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 4.5 %  
Chronic pulmonary disease..... 20.1 %  
Cerebrovascular degeneration..... 2.8 %  
Diabetes mellitus..... 14.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.3%  
State ..... 5.3%  
Outside State ..... 2.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 289  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 36.9 %  
Case Mix Index (CMI) ..... 1.4777

### STAFFING:

Total Number of Physicians..... 134  
Percent of Physicians Board  
Certified Specialists..... 62.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 304  
Licensed Practical Nurses ..... 102

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# EUCLID GENERAL HOSPITAL

EAST 185TH STREET LAKE ERIE

EUCLID, OH 44117

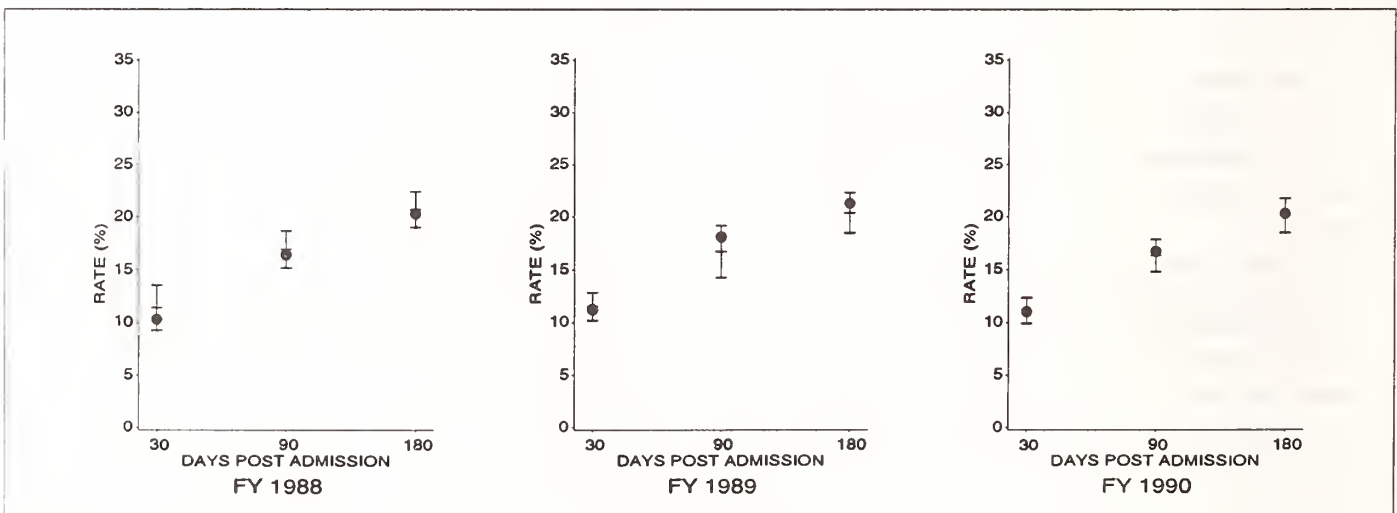
Medicare Provider Number: 360082

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2652               | 11.0                | 11.1 | 0.6   | 16.7    | 16.3 | 0.8   | 20.3     | 20.1 | 0.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 113                | 30.1                | 30.7 | 4.6   | 34.5    | 33.1 | 4.5   | 36.3     | 35.4 | 4.6   |
| Congestive Heart Failure.....              | 177                | 18.6                | 15.5 | 5.6   | 26.6    | 24.3 | 7.6   | 34.5     | 30.6 | 6.8   |
| Pneumonia/Influenza.....                   | 58                 | 20.7                | 16.2 | 8.3   | 27.6    | 22.0 | 7.3   | 31.0     | 25.9 | 7.8   |
| Chronic Obstructive Pulmonary Disease..... | 63                 | 11.1                | 11.6 | 4.5   | 20.6    | 19.3 | 5.7   | 28.6     | 24.3 | 6.5   |
| Transient Cerebral Ischemia.....           | 53                 | 0.0                 | 1.9  | 2.6   | 1.9     | 3.9  | 3.2   | 3.8      | 6.2  | 3.9   |
| Stroke.....                                | 152                | 11.2                | 19.0 | 4.6   | 15.8    | 26.2 | 5.3   | 19.7     | 30.3 | 5.4   |
| Hip Fracture.....                          | 91                 | 4.4                 | 7.9  | 3.6   | 12.1    | 13.3 | 4.5   | 12.1     | 17.0 | 5.3   |
| Sepsis.....                                | 35                 | 42.9                | 32.5 | ----- | 45.7    | 40.7 | ----- | 60.0     | 45.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 22                 | 0.0                 | 3.3  | ----- | 0.0     | 6.5  | ----- | 0.0      | 9.2  | ----- |
| Carotid Endarterectomy.....                | 11                 | 0.0                 | 1.3  | ----- | 0.0     | 2.3  | ----- | 9.1      | 3.4  | ----- |
| Hip Replacement/Reconstruction.....        | 60                 | 3.3                 | 4.3  | 2.7   | 6.7     | 7.7  | 4.0   | 6.7      | 10.1 | 5.0   |
| Open Reduction of Hip Fracture.....        | 48                 | 0.0                 | 7.9  | ----- | 10.4    | 13.4 | ----- | 10.4     | 17.0 | ----- |
| Prostatectomy.....                         | 77                 | 0.0                 | 1.2  | 1.6   | 2.6     | 2.5  | 1.8   | 5.2      | 4.0  | 2.7   |
| Cholecystectomy.....                       | 54                 | 0.0                 | 2.5  | 3.0   | 1.9     | 4.7  | 4.5   | 7.4      | 6.4  | 6.9   |
| Hysterectomy.....                          | 23                 | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# EUCLID GENERAL HOSPITAL

Medicare Provider Number: 360082

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 76.2 years | Cancer.....                         | 8.7 %  |
| Proportion female.....                         | 57.8 %     | Chronic cardiovascular disease..... | 61.0 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.8 %  |
| Referred by personal or HMO physician.....     | 35.1 %     | Chronic renal disease.....          | 1.7 %  |
| Transferred from skilled nursing facility..... | 0.2 %      | Chronic pulmonary disease.....      | 18.3 % |
| Admitted for elective procedure.....           | 20.3 %     | Cerebrovascular degeneration.....   | 6.0 %  |
| Admitted for emergency.....                    | 64.2 %     | Diabetes mellitus.....              | 8.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 78.6%  | Hospital .....                          | 9.2 Days |
| State .....                                  | 20.2%  | State .....                             | 8.3 Days |
| Outside State .....                          | 1.2%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 345                 | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 60.0 %              | Cardiac Intensive Care .....                    | Yes |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 45.6 %              | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.3104              | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 204                 | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 93.1 %              | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 200                 | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 100                 | Rehabilitation.....                             | Yes |
|                                                                    |                     | Psychiatric .....                               | No  |
|                                                                    |                     | Medicare Swing Beds .....                       | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRVIEW GENERAL HOSPITAL

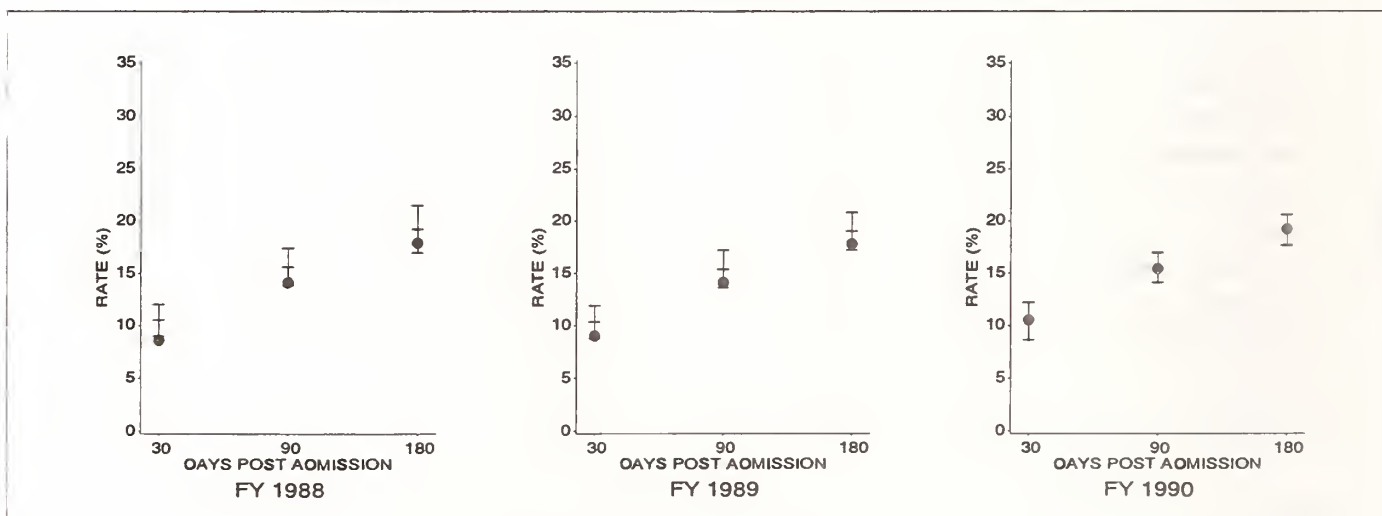
18101 LORAIN AVE  
CLEVELAND, OH 44111  
Medicare Provider Number: 360077

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3637            | 10.5                | 10.4 | 0.9  | 15.4    | 15.5 | 0.7  | 19.2     | 19.1 | 0.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 108             | 34.3                | 25.4 | 7.4  | 39.8    | 28.2 | 7.8  | 41.7     | 30.8 | 7.8  |
| Congestive Heart Failure.....              | 262             | 16.8                | 15.3 | 3.4  | 27.5    | 24.0 | 3.8  | 35.1     | 30.4 | 4.5  |
| Pneumonia/Influenza.....                   | 129             | 17.1                | 18.7 | 4.1  | 20.9    | 25.1 | 4.8  | 24.8     | 29.3 | 4.7  |
| Chronic Obstructive Pulmonary Disease..... | 57              | 15.8                | 10.0 | 4.9  | 19.3    | 16.9 | 5.1  | 21.1     | 21.5 | 5.6  |
| Transient Cerebral Ischemia.....           | 60              | 3.3                 | 1.6  | 2.1  | 5.0     | 3.5  | 2.6  | 8.3      | 5.8  | 3.7  |
| Stroke.....                                | 145             | 22.1                | 21.8 | 3.4  | 30.3    | 28.6 | 4.0  | 32.4     | 32.3 | 4.1  |
| Hip Fracture.....                          | 72              | 6.9                 | 7.7  | 4.9  | 11.1    | 13.0 | 5.2  | 16.7     | 16.6 | 4.6  |
| Sepsis.....                                | 44              | 15.9                | 27.3 | ---- | 27.3    | 35.8 | ---- | 31.8     | 40.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 66              | 0.0                 | 2.2  | 2.8  | 0.0     | 3.0  | 3.7  | 1.5      | 3.9  | 3.4  |
| Coronary Artery Bypass Graft.....          | 74              | 8.1                 | 5.1  | 4.0  | 13.5    | 7.0  | 5.1  | 13.5     | 7.9  | 5.3  |
| Initial Pacemaker Insertion.....           | 48              | 2.1                 | 3.0  | ---- | 4.2     | 6.1  | ---- | 4.2      | 8.9  | ---- |
| Carotid Endarterectomy.....                | 27              | 0.0                 | 1.6  | ---- | 0.0     | 2.9  | ---- | 3.7      | 4.2  | ---- |
| Hip Replacement/Reconstruction.....        | 62              | 6.5                 | 3.7  | 4.0  | 8.1     | 7.0  | 5.6  | 11.3     | 9.4  | 6.2  |
| Open Reduction of Hip Fracture.....        | 43              | 2.3                 | 7.2  | ---- | 9.3     | 12.4 | ---- | 16.3     | 16.1 | ---- |
| Prostatectomy.....                         | 100             | 2.0                 | 1.2  | 1.3  | 2.0     | 2.7  | 1.7  | 3.0      | 4.4  | 2.3  |
| Cholecystectomy.....                       | 52              | 5.8                 | 4.0  | 3.4  | 5.8     | 7.3  | 3.9  | 11.5     | 9.7  | 4.7  |
| Hysterectomy.....                          | 28              | 0.0                 | 0.3  | ---- | 0.0     | 0.8  | ---- | 3.6      | 1.4  | ---- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FAIRVIEW GENERAL HOSPITAL

Medicare Provider Number: 360077

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years

Proportion female..... 58.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.3 %

Transferred from skilled nursing facility..... 4.2 %

Admitted for elective procedure..... 13.6 %

Admitted for emergency..... 85.0 %

### COMORBIDITIES:

Cancer..... 7.4 %

Chronic cardiovascular disease..... 53.4 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 2.3 %

Chronic pulmonary disease..... 14.4 %

Cerebrovascular degeneration..... 2.8 %

Diabetes mellitus..... 6.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 94.2%

State ..... 4.3%

Outside State ..... 1.5%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 453

Occupancy Rate ..... 67.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 30.4 %

Case Mix Index (CMI) ..... 1.3663

### STAFFING:

Total Number of Physicians..... 167

Percent of Physicians Board  
Certified Specialists ..... 80.8 %

Medical Residents/Interns ..... 37

Registered Nurses..... 426

Licensed Practical Nurses ..... 60

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... Yes

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... Yes

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAYETTE COUNTY MEMORIAL HOSPITAL

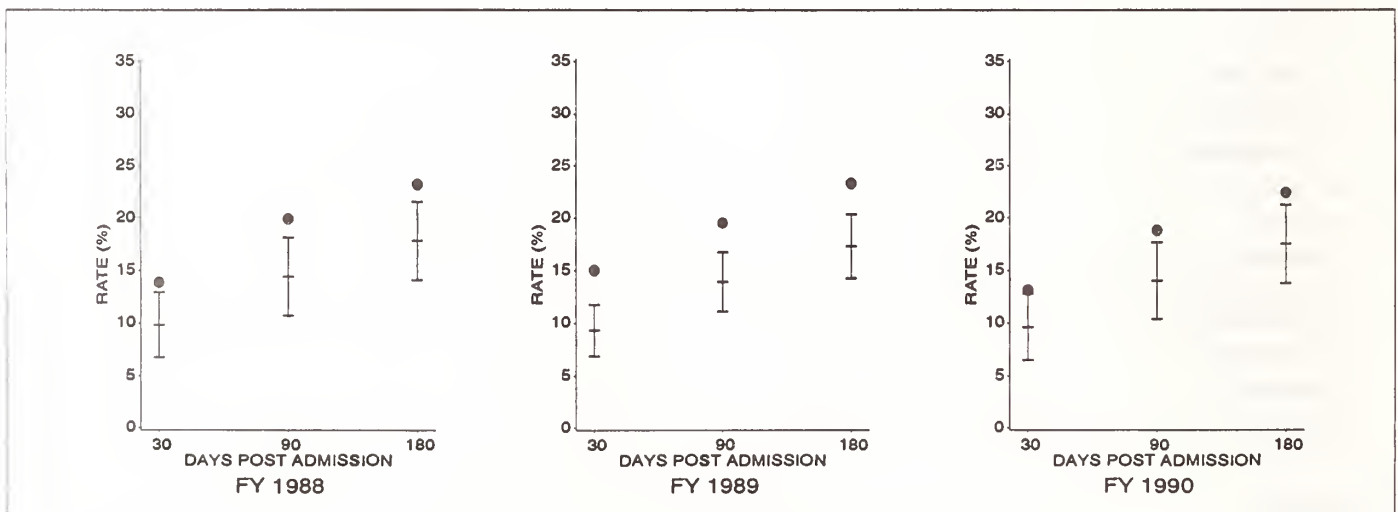
1430 COLUMBUS RD  
WASHINGTON COURT HOUSE, OH 43160  
Medicare Provider Number: 360177

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 655             | 13.1                | 9.6  | 1.6   | 18.8    | 14.0 | 1.8   | 22.4     | 17.5 | 1.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 21              | 28.6                | 29.8 | ----- | 38.1    | 32.7 | ----- | 47.6     | 35.8 | ----- |
| Congestive Heart Failure.....              | 38              | 34.2                | 15.1 | ----- | 47.4    | 23.6 | ----- | 47.4     | 29.7 | ----- |
| Pneumonia/Influenza.....                   | 56              | 25.0                | 14.9 | 6.7   | 28.6    | 20.1 | 6.6   | 30.4     | 23.4 | 6.4   |
| Chronic Obstructive Pulmonary Disease..... | 9               | 11.1                | 10.9 | ----- | 22.2    | 17.4 | ----- | 22.2     | 22.4 | ----- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 1.5  | ----- | 22.2    | 3.3  | ----- | 22.2     | 5.3  | ----- |
| Stroke.....                                | 31              | 19.4                | 20.2 | ----- | 29.0    | 25.5 | ----- | 32.3     | 28.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 21              | 38.1                | 25.6 | ----- | 42.9    | 33.1 | ----- | 42.9     | 37.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 2.5  | ----- | 0.0     | 4.8  | ----- | 0.0      | 7.3  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 10              | 0.0                 | 0.5  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.2  | ----- |
| Cholecystectomy.....                       | 22              | 0.0                 | 3.5  | ----- | 0.0     | 6.7  | ----- | 4.5      | 9.1  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 1.4  | ----- | 0.0     | 3.0  | ----- | 25.0     | 4.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# FAYETTE COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 360177

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 58.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.1 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 37.1 %  
Admitted for emergency..... 60.6 %

### COMORBIDITIES:

Cancer..... 5.8 %  
Chronic cardiovascular disease..... 40.0 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 12.2 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.0%  
State ..... 25.5%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 56  
Occupancy Rate ..... 50.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 44.4 %  
Case Mix Index (CMI) ..... 1.1221

### STAFFING:

Total Number of Physicians..... 26  
Percent of Physicians Board  
Certified Specialists ..... 61.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 33  
Licensed Practical Nurses ..... 18

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FIRELANDS COMMUNITY HOSPITAL

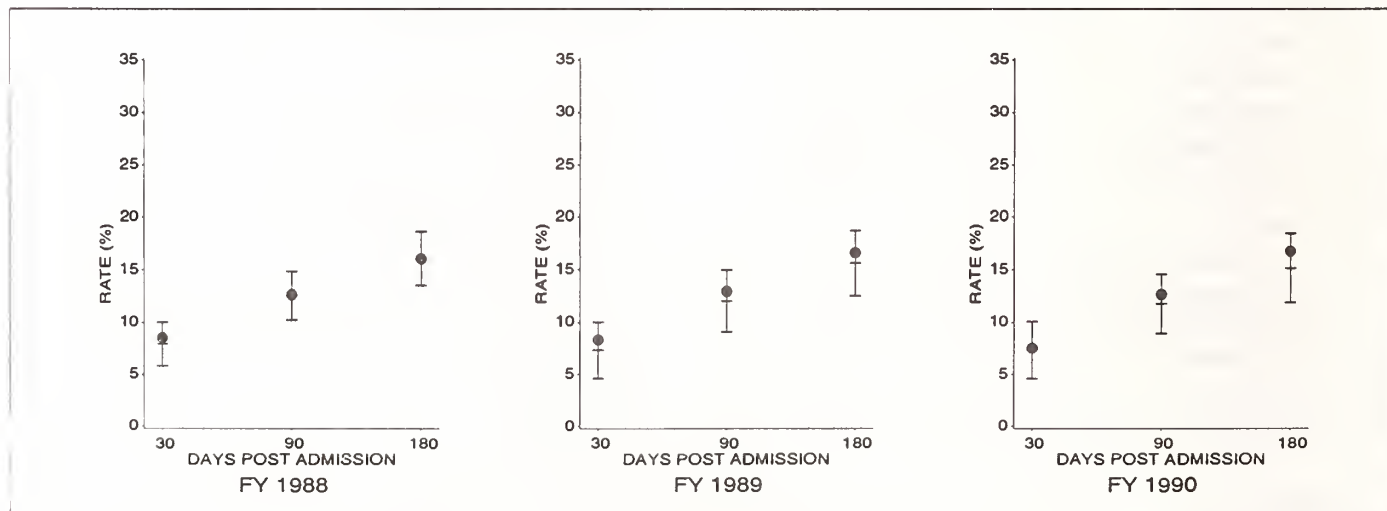
1101 DECATOR ST  
SANDUSKY, OH 44870  
Medicare Provider Number: 360025

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1283            | 7.5                 | 7.3  | 1.4   | 12.6    | 11.7 | 1.4   | 16.7     | 15.1 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 28              | 32.1                | 20.8 | ----- | 32.1    | 24.0 | ----- | 32.1     | 26.6 | ----- |
| Congestive Heart Failure.....              | 75              | 10.7                | 14.7 | 5.0   | 20.0    | 23.4 | 5.7   | 25.3     | 29.9 | 7.1   |
| Pneumonia/Influenza.....                   | 63              | 17.5                | 17.4 | 4.9   | 23.8    | 24.3 | 5.5   | 28.6     | 28.5 | 5.7   |
| Chronic Obstructive Pulmonary Disease..... | 28              | 14.3                | 7.8  | ----- | 21.4    | 13.8 | ----- | 25.0     | 18.4 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 2.4  | ----- | 0.0     | 5.4  | ----- | 6.3      | 8.6  | ----- |
| Stroke.....                                | 29              | 6.9                 | 19.7 | ----- | 24.1    | 27.3 | ----- | 31.0     | 31.3 | ----- |
| Hip Fracture.....                          | 20              | 10.0                | 6.7  | ----- | 20.0    | 11.8 | ----- | 35.0     | 15.7 | ----- |
| Sepsis.....                                | 4               | 25.0                | 16.8 | ----- | 25.0    | 20.5 | ----- | 25.0     | 23.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 14.3                | 2.2  | ----- | 14.3    | 4.9  | ----- | 14.3     | 7.7  | ----- |
| Carotid Endarterectomy.....                | 15              | 0.0                 | 1.3  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.0  | ----- |
| Hip Replacement/Reconstruction.....        | 10              | 10.0                | 2.0  | ----- | 20.0    | 3.9  | ----- | 20.0     | 5.4  | ----- |
| Open Reduction of Hip Fracture.....        | 12              | 8.3                 | 6.7  | ----- | 8.3     | 12.2 | ----- | 33.3     | 16.4 | ----- |
| Prostatectomy.....                         | 64              | 1.6                 | 0.8  | 1.3   | 1.6     | 2.1  | 1.9   | 3.1      | 3.6  | 2.4   |
| Cholecystectomy.....                       | 21              | 4.8                 | 2.4  | ----- | 4.8     | 5.0  | ----- | 4.8      | 7.3  | ----- |
| Hysterectomy.....                          | 14              | 0.0                 | 0.2  | ----- | 7.1     | 0.5  | ----- | 7.1      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FIRELANDS COMMUNITY HOSPITAL

Medicare Provider Number: 360025

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.7 years  
Proportion female..... 54.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 48.5 %  
Admitted for emergency..... 37.6 %

### COMORBIDITIES:

Cancer..... 9.0 %  
Chronic cardiovascular disease..... 31.7 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 18.3 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.1%  
State ..... 25.7%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 183  
Occupancy Rate ..... 59.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 33.3 %  
Case Mix Index (CMI) ..... 1.1606

### STAFFING:

Total Number of Physicians..... 111  
Percent of Physicians Board  
Certified Specialists ..... 65.8 %  
Medical Residents/Interns ..... 4  
Registered Nurses..... 134  
Licensed Practical Nurses ..... 110

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No  
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:  
Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FIRELANDS COMMUNITY HOSPITAL

2020 HAYES AVE  
SANDUSKY, OH 44870  
Medicare Provider Number: 360120

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5                  | 0.0                 | 0.3  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.7  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# FIRELANDS COMMUNITY HOSPITAL

Medicare Provider Number: 360120

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 41.6 years | Cancer.....                         | 0.0 %  |
| Proportion female.....                         | 0.0 %      | Chronic cardiovascular disease..... | 20.0 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 20.0 % |
| Referred by personal or HMO physician.....     | 100.0 %    | Chronic renal disease.....          | 0.0 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 0.0 %  |
| Admitted for elective procedure.....           | 40.0 %     | Cerebrovascular degeneration.....   | 20.0 % |
| Admitted for emergency.....                    | 0.0 %      | Diabetes mellitus.....              | 0.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |           |
|----------------------------------------------|--------|-----------------------------------------|-----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |           |
| County/City .....                            | 50.0%  | Hospital .....                          | 10.0 Days |
| State .....                                  | 50.0%  | State .....                             | 8.3 Days  |
| Outside State .....                          | 0.0%   | National .....                          | 8.6 Days  |
| Total .....                                  | 100.0% |                                         |           |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 39                  | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 28.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 1.9 %               | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.0236              | Medical/Surgical Intensive Care .....           | No  |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 111                 | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 65.8 %              | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses .....                                            | 0                   | Alcohol/Drug .....                              | Yes |
| Licensed Practical Nurses .....                                    | 0                   | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | No  |
|                                                                    |                     | Medicare Swing Beds .....                       | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# FISHER TITUS MEMORIAL HOSPITAL

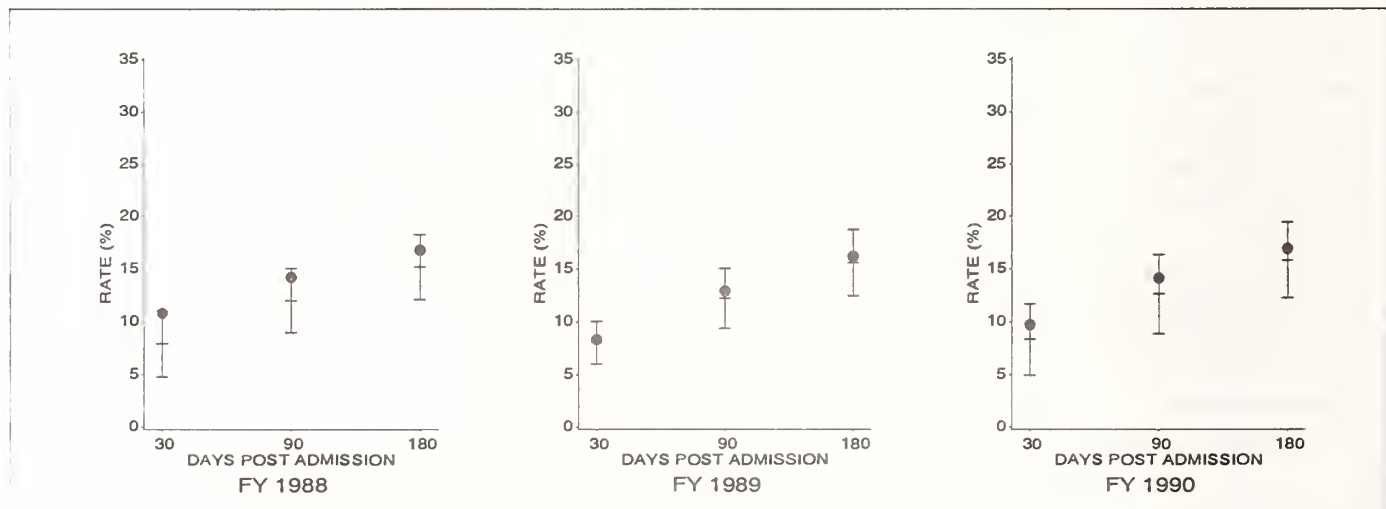
272 BENEDICT AVE  
NORWALK, OH 44857  
Medicare Provider Number: 360065

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 915             | 9.7                 | 8.3  | 1.7  | 14.1    | 12.6 | 1.9  | 16.9     | 15.8 | 1.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 25              | 32.0                | 27.2 | ---- | 40.0    | 29.6 | ---- | 40.0     | 32.2 | ---- |
| Congestive Heart Failure.....              | 70              | 14.3                | 14.4 | 4.4  | 22.9    | 22.8 | 5.5  | 25.7     | 29.0 | 6.3  |
| Pneumonia/Influenza.....                   | 39              | 17.9                | 18.3 | ---- | 23.1    | 25.1 | ---- | 28.2     | 29.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 21              | 4.8                 | 8.9  | ---- | 9.5     | 15.9 | ---- | 9.5      | 20.6 | ---- |
| Transient Cerebral Ischemia.....           | 14              | 0.0                 | 1.5  | ---- | 7.1     | 3.4  | ---- | 14.3     | 5.8  | ---- |
| Stroke.....                                | 37              | 10.8                | 19.7 | ---- | 29.7    | 25.8 | ---- | 35.1     | 29.4 | ---- |
| Hip Fracture.....                          | 23              | 17.4                | 6.9  | ---- | 17.4    | 12.4 | ---- | 17.4     | 16.2 | ---- |
| Sepsis.....                                | 12              | 16.7                | 18.8 | ---- | 25.0    | 26.0 | ---- | 25.0     | 30.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 11              | 9.1                 | 3.9  | ---- | 9.1     | 7.9  | ---- | 18.2     | 12.1 | ---- |
| Carotid Endarterectomy.....                | 16              | 0.0                 | 1.4  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.0  | ---- |
| Hip Replacement/Reconstruction.....        | 16              | 12.5                | 5.9  | ---- | 12.5    | 10.9 | ---- | 12.5     | 14.4 | ---- |
| Open Reduction of Hip Fracture.....        | 6               | 16.7                | 3.7  | ---- | 16.7    | 6.9  | ---- | 16.7     | 9.3  | ---- |
| Prostatectomy.....                         | 42              | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.7  | ---- |
| Cholecystectomy.....                       | 25              | 0.0                 | 1.6  | ---- | 0.0     | 3.1  | ---- | 0.0      | 4.3  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 1.0  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FISHER TITUS MEMORIAL HOSPITAL

Medicare Provider Number: 360065

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 53.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.9 %  
Transferred from skilled nursing facility..... 1.2 %  
Admitted for elective procedure..... 49.3 %  
Admitted for emergency..... 49.3 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 35.2 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 18.6 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 8.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.9%  
State ..... 15.6%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 162  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.2180

### STAFFING:

Total Number of Physicians..... 46  
Percent of Physicians Board  
Certified Specialists ..... 58.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 60  
Licensed Practical Nurses ..... 42

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

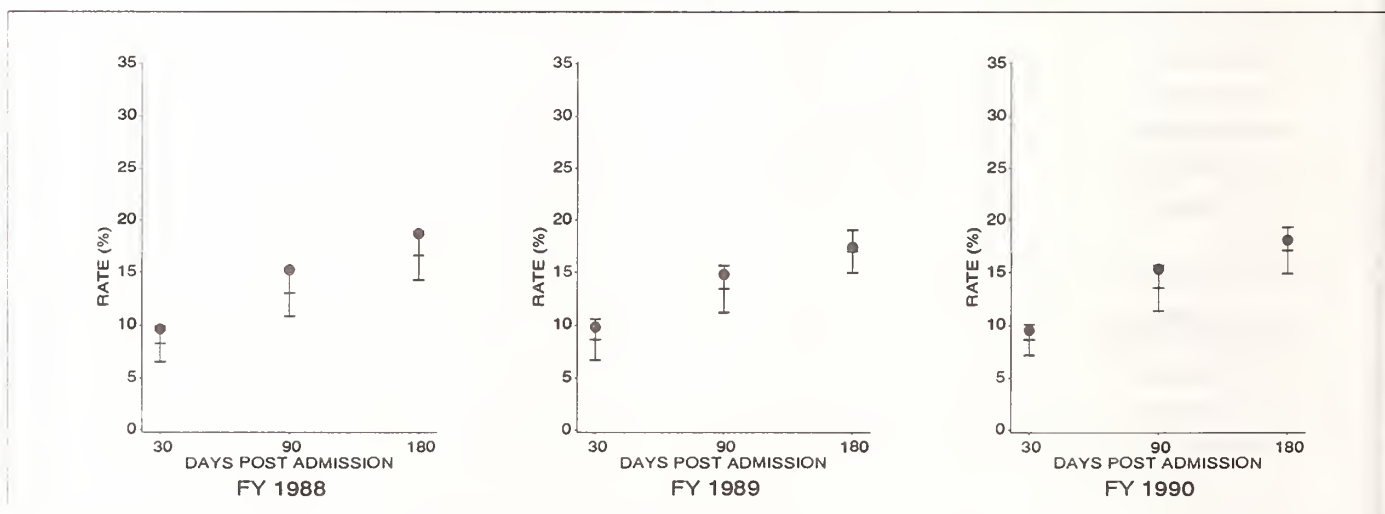
**FLOWER HOSPITAL**  
5200 HARROUN RD  
SYLVANIA, OH 43610  
Medicare Provider Number: 360074

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1946            | 9.5                 | 8.6  | 0.7  | 15.3    | 13.5 | 1.1  | 18.1     | 17.1 | 1.1  |
| <b>CONDITIONS:</b>                         |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 70              | 22.9                | 29.4 | 8.2  | 30.0    | 32.4 | 8.0  | 31.4     | 35.4 | 8.0  |
| Congestive Heart Failure.....              | 115             | 12.2                | 13.7 | 3.6  | 27.8    | 21.9 | 5.0  | 32.2     | 28.1 | 4.9  |
| Pneumonia/Influenza.....                   | 100             | 19.0                | 13.3 | 4.7  | 24.0    | 18.5 | 5.0  | 24.0     | 22.1 | 4.8  |
| Chronic Obstructive Pulmonary Disease..... | 53              | 1.9                 | 8.4  | 6.7  | 15.1    | 15.1 | 7.7  | 17.0     | 20.1 | 7.0  |
| Transient Cerebral Ischemia.....           | 22              | 4.5                 | 1.7  | ---- | 4.5     | 3.7  | ---- | 9.1      | 6.1  | ---- |
| Stroke.....                                | 63              | 14.3                | 16.4 | 6.8  | 20.6    | 24.2 | 7.2  | 25.4     | 28.2 | 7.5  |
| Hip Fracture.....                          | 47              | 8.5                 | 5.2  | ---- | 8.5     | 9.3  | ---- | 8.5      | 12.2 | ---- |
| Sepsis.....                                | 40              | 32.5                | 25.4 | ---- | 40.0    | 32.7 | ---- | 40.0     | 37.4 | ---- |
| <b>PROCEDURES:</b>                         |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 22              | 0.0                 | 4.8  | ---- | 4.5     | 8.3  | ---- | 9.1      | 11.1 | ---- |
| Carotid Endarterectomy.....                | 25              | 0.0                 | 1.2  | ---- | 0.0     | 2.5  | ---- | 0.0      | 4.0  | ---- |
| Hip Replacement/Reconstruction.....        | 53              | 5.7                 | 1.7  | 3.6  | 5.7     | 3.1  | 3.5  | 5.7      | 4.3  | 3.7  |
| Open Reduction of Hip Fracture.....        | 25              | 8.0                 | 4.9  | ---- | 8.0     | 9.2  | ---- | 8.0      | 12.2 | ---- |
| Prostatectomy.....                         | 51              | 0.0                 | 0.8  | 1.4  | 0.0     | 1.9  | 2.5  | 2.0      | 3.2  | 2.7  |
| Cholecystectomy.....                       | 36              | 0.0                 | 2.8  | ---- | 5.6     | 6.0  | ---- | 8.3      | 8.8  | ---- |
| Hysterectomy.....                          | 6               | 16.7                | 2.5  | ---- | 16.7    | 5.3  | ---- | 16.7     | 7.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# FLOWER HOSPITAL

Medicare Provider Number: 360074

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.0 years |
| Proportion female.....        | 58.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 99.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 26.3 % |
| Admitted for emergency.....                    | 54.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 9.0 %  |
| Chronic cardiovascular disease..... | 34.4 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 24.5 % |
| Cerebrovascular degeneration.....   | 2.4 %  |
| Diabetes mellitus.....              | 8.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 66.3%  |
| State .....         | 10.3%  |
| Outside State ..... | 23.4%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.1 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 358                 |
| Occupancy Rate .....       | 81.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 45.3 %              |
| Case Mix Index (CMI) ..... | 1.2810              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 155    |
| Percent of Physicians Board<br>Certified Specialists ..... | 81.3 % |
| Medical Residents/Interns .....                            | 17     |
| Registered Nurses .....                                    | 253    |
| Licensed Practical Nurses .....                            | 72     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# FOSTORIA CITY HOSPITAL

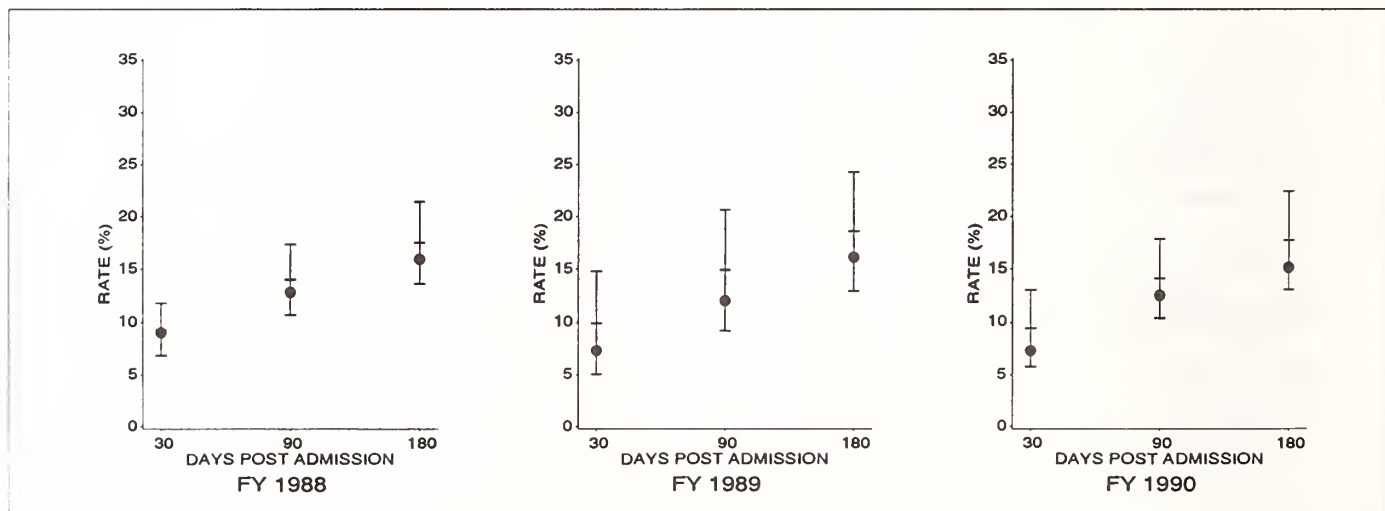
501 VAN BUREN ST  
FOSTORIA, OH 44830  
Medicare Provider Number: 360099

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 504             | 7.3                 | 9.4  | 1.8  | 12.5    | 14.1 | 1.9  | 15.1     | 17.7 | 2.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 21              | 19.0                | 24.7 | ---- | 19.0    | 28.4 | ---- | 23.8     | 31.4 | ---- |
| Congestive Heart Failure.....              | 58              | 8.6                 | 14.2 | 6.8  | 17.2    | 22.5 | 6.8  | 24.1     | 28.9 | 6.8  |
| Pneumonia/Influenza.....                   | 37              | 5.4                 | 16.4 | ---- | 8.1     | 21.8 | ---- | 10.8     | 26.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 24              | 8.3                 | 5.2  | ---- | 16.7    | 9.2  | ---- | 16.7     | 12.7 | ---- |
| Transient Cerebral Ischemia.....           | 18              | 0.0                 | 1.9  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.5  | ---- |
| Stroke.....                                | 16              | 37.5                | 18.3 | ---- | 37.5    | 23.9 | ---- | 43.8     | 27.4 | ---- |
| Hip Fracture.....                          | 11              | 0.0                 | 8.6  | ---- | 0.0     | 15.1 | ---- | 0.0      | 19.4 | ---- |
| Sepsis.....                                | 7               | 14.3                | 20.3 | ---- | 28.6    | 26.9 | ---- | 28.6     | 30.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 9.0  | ---- | 0.0     | 14.9 | ---- | 0.0      | 19.8 | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.4  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.2  | ---- |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 3.6  | ---- | 0.0     | 7.4  | ---- | 0.0      | 10.5 | ---- |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 6.6  | ---- | 0.0     | 12.0 | ---- | 0.0      | 15.5 | ---- |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 7               | 0.0                 | 1.4  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.4  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FOSTORIA CITY HOSPITAL

Medicare Provider Number: 360099

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 57.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.6 %  
Transferred from skilled nursing facility..... 4.0 %  
Admitted for elective procedure..... 36.1 %  
Admitted for emergency..... 37.1 %

### COMORBIDITIES:

Cancer..... 4.8 %  
Chronic cardiovascular disease..... 53.4 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 19.6 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.5%  
State ..... 16.9%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 54  
Occupancy Rate ..... 46.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 38.8 %  
Case Mix Index (CMI) ..... 1.0825

### STAFFING:

Total Number of Physicians..... 19  
Percent of Physicians Board  
Certified Specialists ..... 57.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 49  
Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FT HAMILTON HUGHES MEMORIAL HOSPITAL

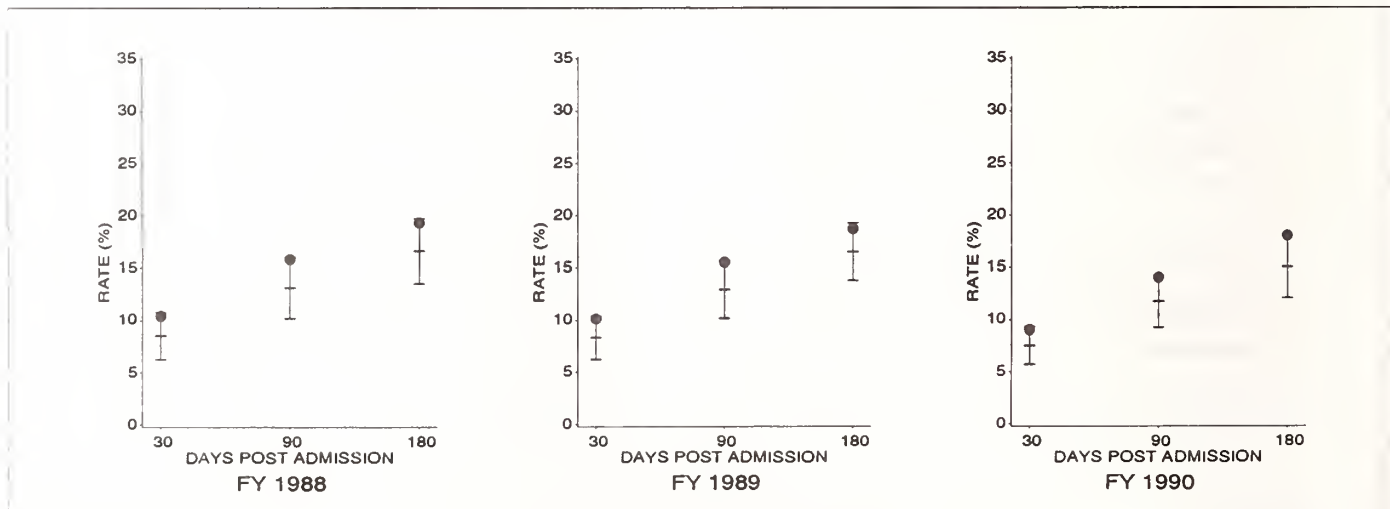
630 EATON AVENUE  
HAMILTON, OH 45013  
Medicare Provider Number: 360132

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1401            | 9.0                 | 7.5  | 0.9   | 14.0    | 11.7 | 1.3   | 18.0     | 15.0 | 1.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 38              | 31.6                | 26.8 | ----- | 36.8    | 30.4 | ----- | 44.7     | 33.2 | ----- |
| Congestive Heart Failure.....              | 68              | 20.6                | 12.0 | 5.8   | 30.9    | 19.2 | 9.1   | 41.2     | 25.0 | 9.6   |
| Pneumonia/Influenza.....                   | 67              | 16.4                | 14.6 | 5.9   | 22.4    | 19.9 | 5.2   | 23.9     | 23.9 | 5.3   |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 3.6  | ----- | 0.0     | 7.7  | ----- | 0.0      | 11.5 | ----- |
| Transient Cerebral Ischemia.....           | 36              | 0.0                 | 1.6  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.9  | ----- |
| Stroke.....                                | 55              | 27.3                | 19.8 | 11.7  | 30.9    | 26.9 | 12.1  | 36.4     | 30.8 | 10.7  |
| Hip Fracture.....                          | 39              | 10.3                | 5.9  | ----- | 15.4    | 10.8 | ----- | 20.5     | 14.2 | ----- |
| Sepsis.....                                | 5               | 40.0                | 29.3 | ----- | 40.0    | 40.8 | ----- | 40.0     | 46.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 5.4  | ----- | 0.0     | 9.2  | ----- | 0.0      | 13.4 | ----- |
| Carotid Endarterectomy.....                | 14              | 0.0                 | 0.9  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.3  | ----- |
| Hip Replacement/Reconstruction.....        | 15              | 13.3                | 4.8  | ----- | 13.3    | 9.2  | ----- | 26.7     | 12.6 | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 6.3                 | 6.3  | ----- | 18.8    | 11.7 | ----- | 25.0     | 15.4 | ----- |
| Prostatectomy.....                         | 54              | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.4  | ----- |
| Cholecystectomy.....                       | 31              | 3.2                 | 1.6  | ----- | 6.5     | 3.1  | ----- | 6.5      | 4.2  | ----- |
| Hysterectomy.....                          | 16              | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# FT HAMILTON HUGHES MEMORIAL HOSPITAL

Medicare Provider Number: 360132

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 53.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.2 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 44.5 %  
Admitted for emergency..... 54.3 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 33.3 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 14.1 %  
Cerebrovascular degeneration..... 4.4 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 90.9%  
State ..... 5.6%  
Outside State ..... 3.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 266  
Occupancy Rate ..... 59.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 27.8 %  
Case Mix Index (CMI) ..... 1.1832

### STAFFING:

Total Number of Physicians..... 135  
Percent of Physicians Board  
Certified Specialists..... 74.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 226  
Licensed Practical Nurses ..... 21

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FULTON COUNTY HEALTH CENTER

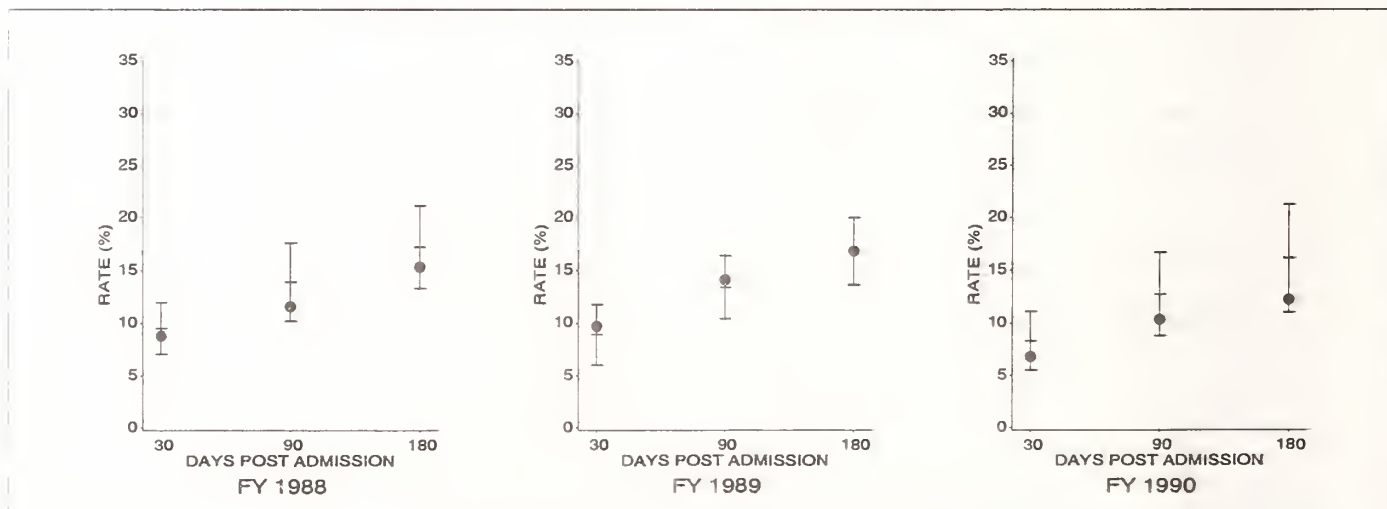
725 S SHOOP AVE  
WAUSEON, OH 43567  
Medicare Provider Number: 360069

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 600             | 6.8                 | 8.3  | 1.4  | 10.3    | 12.7 | 2.0  | 12.2     | 16.1 | 2.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 20              | 25.0                | 30.3 | ---- | 30.0    | 34.1 | ---- | 30.0     | 36.8 | ---- |
| Congestive Heart Failure.....              | 45              | 4.4                 | 11.6 | ---- | 4.4     | 18.2 | ---- | 6.7      | 23.6 | ---- |
| Pneumonia/Influenza.....                   | 29              | 13.8                | 15.0 | ---- | 13.8    | 20.4 | ---- | 20.7     | 24.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 5.7  | ---- | 0.0     | 10.0 | ---- | 22.2     | 13.1 | ---- |
| Transient Cerebral Ischemia.....           | 14              | 0.0                 | 1.6  | ---- | 7.1     | 3.8  | ---- | 7.1      | 6.4  | ---- |
| Stroke.....                                | 32              | 6.3                 | 16.9 | ---- | 21.9    | 22.9 | ---- | 21.9     | 26.7 | ---- |
| Hip Fracture.....                          | 20              | 10.0                | 6.3  | ---- | 20.0    | 11.4 | ---- | 20.0     | 15.0 | ---- |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 12              | 0.0                 | 4.6  | ---- | 8.3     | 8.7  | ---- | 8.3      | 12.1 | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 11.1                | 4.9  | ---- | 11.1    | 9.0  | ---- | 11.1     | 12.0 | ---- |
| Prostatectomy.....                         | 17              | 0.0                 | 1.1  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.5  | ---- |
| Cholecystectomy.....                       | 13              | 7.7                 | 2.0  | ---- | 7.7     | 3.4  | ---- | 7.7      | 4.3  | ---- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.8  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FULTON COUNTY HEALTH CENTER

Medicare Provider Number: 360069

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.8 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 5.7 %  
Admitted for emergency..... 3.2 %

### COMORBIDITIES:

Cancer..... 4.8 %  
Chronic cardiovascular disease..... 46.5 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 11.5 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 12.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.3%  
State ..... 18.4%  
Outside State ..... 3.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 86  
Occupancy Rate ..... 46.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.6 %  
Case Mix Index (CMI) ..... 1.0309

### STAFFING:

Total Number of Physicians..... 19  
Percent of Physicians Board  
Certified Specialists..... 42.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 88  
Licensed Practical Nurses ..... 27

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GALION COMMUNITY HOSPITAL

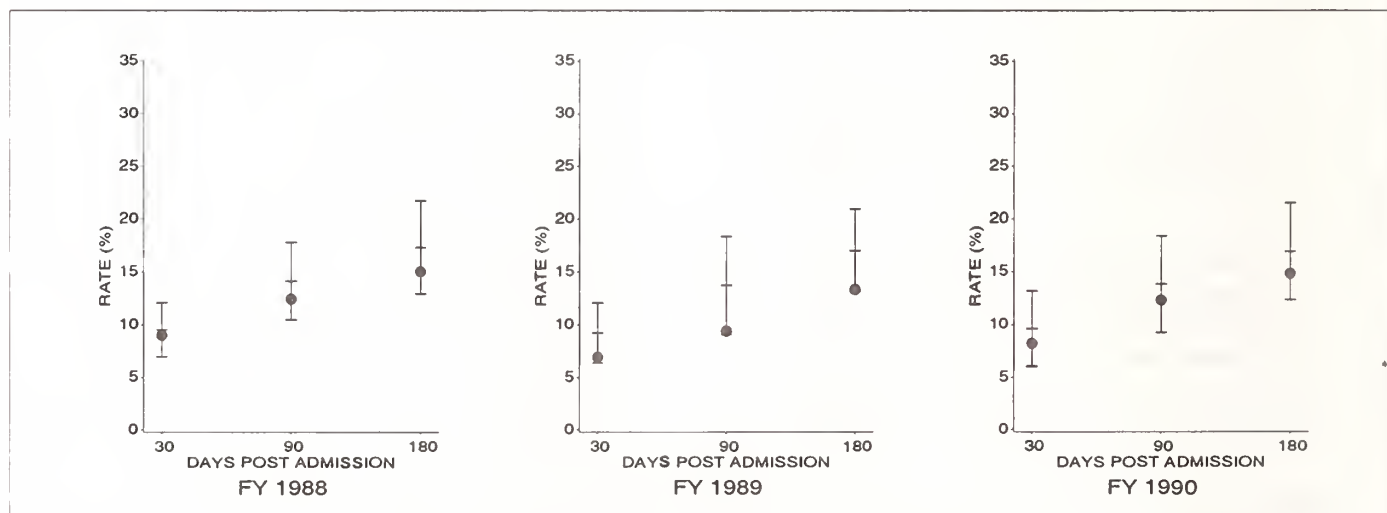
PORTLAND WAY SOUTH  
GALION, OH 44833  
Medicare Provider Number: 360194

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 731             | 8.2                 | 9.6  | 1.8  | 12.3    | 13.8 | 2.3  | 14.8     | 16.9 | 2.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 35              | 31.4                | 29.5 | ---- | 37.1    | 33.1 | ---- | 37.1     | 36.0 | ---- |
| Congestive Heart Failure.....              | 48              | 18.8                | 16.8 | ---- | 29.2    | 26.2 | ---- | 41.7     | 32.7 | ---- |
| Pneumonia/Influenza.....                   | 55              | 7.3                 | 12.5 | 6.7  | 10.9    | 16.7 | 6.8  | 12.7     | 19.9 | 7.1  |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 8.3  | ---- | 0.0     | 13.6 | ---- | 0.0      | 17.6 | ---- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 1.9  | ---- | 9.5     | 4.2  | ---- | 9.5      | 6.5  | ---- |
| Stroke.....                                | 29              | 17.2                | 21.6 | ---- | 20.7    | 27.6 | ---- | 24.1     | 31.3 | ---- |
| Hip Fracture.....                          | 10              | 0.0                 | 5.1  | ---- | 0.0     | 9.3  | ---- | 0.0      | 12.3 | ---- |
| Sepsis.....                                | 8               | 12.5                | 31.8 | ---- | 37.5    | 39.3 | ---- | 50.0     | 43.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 9               | 0.0                 | 6.7  | ---- | 0.0     | 12.1 | ---- | 0.0      | 16.1 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 12              | 8.3                 | 2.2  | ---- | 8.3     | 4.3  | ---- | 8.3      | 5.9  | ---- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 12.5 | ---- | 0.0     | 22.3 | ---- | 0.0      | 27.6 | ---- |
| Prostatectomy.....                         | 21              | 0.0                 | 1.0  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.8  | ---- |
| Cholecystectomy.....                       | 5               | 0.0                 | 2.9  | ---- | 20.0    | 4.4  | ---- | 20.0     | 5.4  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# **GALION COMMUNITY HOSPITAL**

Medicare Provider Number: 360194

## **FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

### **DEMOGRAPHICS:**

Average age at admission..... 74.2 years  
Proportion female..... 59.5 %

### **ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 26.9 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 3.4 %  
Admitted for emergency..... 90.7 %

### **COMORBIDITIES:**

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 44.5 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 1.0 %  
Chronic pulmonary disease..... 15.3 %  
Cerebrovascular degeneration..... 2.6 %  
Diabetes mellitus..... 5.2 %

## **ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

### **ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 83.3%  
State ..... 15.4%  
Outside State ..... 1.3%  
Total ..... 100.0%

### **MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 5.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## **HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### **PROFILE:**

Total Beds ..... 109  
Occupancy Rate ..... 34.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 40.4 %  
Case Mix Index (CMI) ..... 1.1039

### **STAFFING:**

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### **SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### **OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

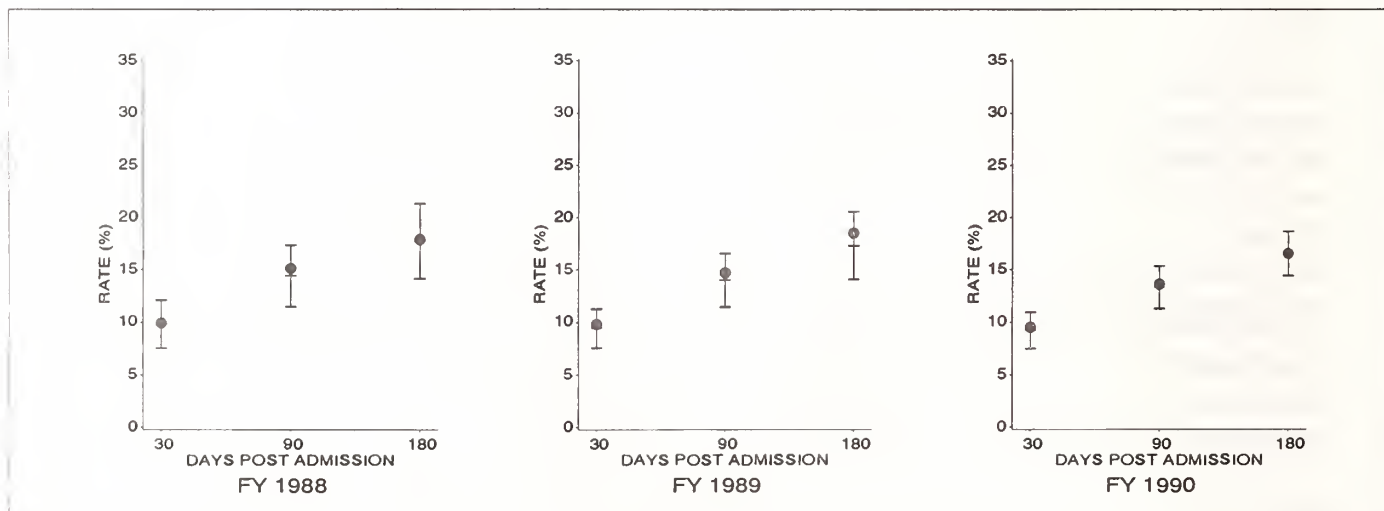
**GEAUGA HOSPITAL**  
13207 RAVENNA RD  
CHARDON, OH 44024  
Medicare Provider Number: 360192

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1232            | 9.5                 | 9.2  | 0.9  | 13.6    | 13.3 | 1.0  | 16.5     | 16.5 | 1.1  |
| <b>CONDITIONS:</b>                         |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 34              | 32.4                | 29.6 | ---- | 35.3    | 32.2 | ---- | 38.2     | 34.8 | ---- |
| Congestive Heart Failure.....              | 60              | 11.7                | 14.9 | 5.5  | 25.0    | 23.3 | 5.7  | 31.7     | 29.3 | 6.2  |
| Pneumonia/Influenza.....                   | 83              | 12.0                | 19.1 | 6.7  | 19.3    | 25.7 | 6.1  | 24.1     | 30.2 | 5.7  |
| Chronic Obstructive Pulmonary Disease..... | 29              | 10.3                | 9.6  | ---- | 13.8    | 15.8 | ---- | 13.8     | 20.3 | ---- |
| Transient Cerebral Ischemia.....           | 23              | 4.3                 | 1.2  | ---- | 4.3     | 2.9  | ---- | 4.3      | 4.8  | ---- |
| Stroke.....                                | 23              | 4.3                 | 20.7 | ---- | 8.7     | 28.0 | ---- | 13.0     | 32.2 | ---- |
| Hip Fracture.....                          | 37              | 10.8                | 7.5  | ---- | 13.5    | 13.4 | ---- | 13.5     | 17.4 | ---- |
| Sepsis.....                                | 8               | 37.5                | 32.6 | ---- | 50.0    | 39.3 | ---- | 50.0     | 43.7 | ---- |
| <b>PROCEDURES:</b>                         |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 2.0  | ---- | 0.0     | 4.6  | ---- | 0.0      | 7.0  | ---- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 1.0  | ---- | 0.0     | 1.9  | ---- | 0.0      | 3.0  | ---- |
| Hip Replacement/Reconstruction.....        | 52              | 7.7                 | 4.1  | 4.3  | 7.7     | 7.5  | 3.8  | 7.7      | 10.0 | 4.6  |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 6.6  | ---- | 14.3    | 11.7 | ---- | 14.3     | 15.4 | ---- |
| Prostatectomy.....                         | 45              | 0.0                 | 0.5  | ---- | 0.0     | 1.3  | ---- | 2.2      | 2.2  | ---- |
| Cholecystectomy.....                       | 22              | 18.2                | 3.1  | ---- | 18.2    | 5.7  | ---- | 18.2     | 7.4  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 1.4  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**GEAUGA HOSPITAL**  
Medicare Provider Number: 360192

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 75.3 years  
Proportion female..... 59.7 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 36.9 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 25.7 %  
Admitted for emergency..... 69.5 %

**COMORBIDITIES:**

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 39.0 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 10.9 %  
Cerebrovascular degeneration..... 5.7 %  
Diabetes mellitus..... 6.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 55.5%  
State ..... 41.7%  
Outside State ..... 2.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 125  
Occupancy Rate ..... 52.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 36.2 %  
Case Mix Index (CMI) ..... 1.1764

**STAFFING:**

Total Number of Physicians..... 47  
Percent of Physicians Board  
Certified Specialists ..... 74.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 113  
Licensed Practical Nurses ..... 10

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GOOD SAMARITAN HOSPITAL

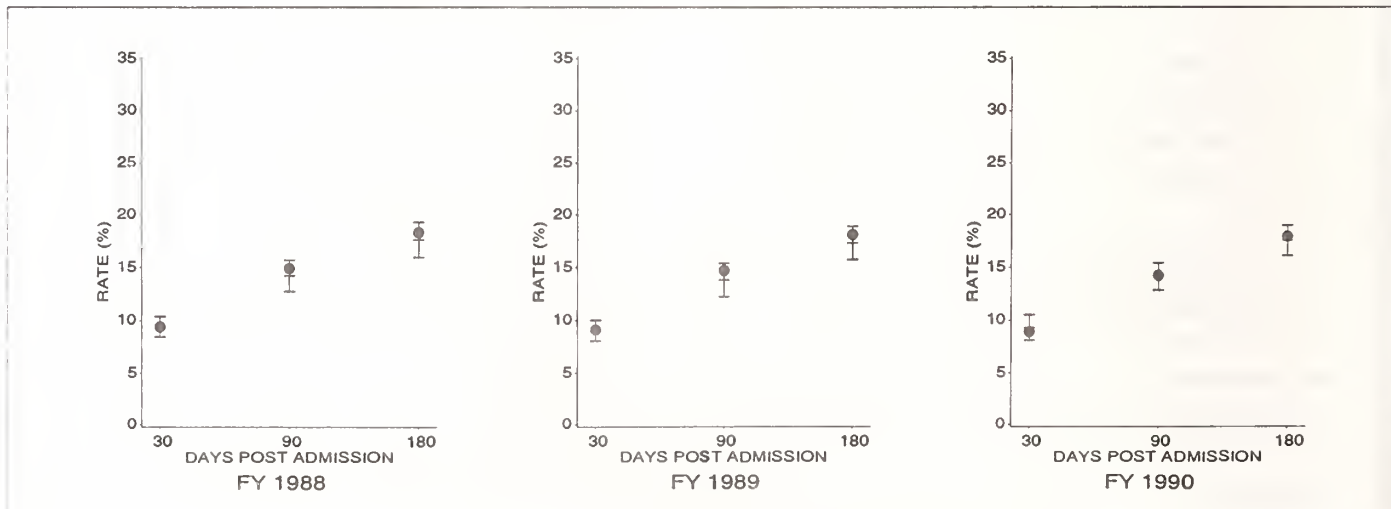
3217 CLIFTON AVENUE  
CINCINNATI, OH 45220  
Medicare Provider Number: 360134

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3404            | 8.9                 | 9.3  | 0.6  | 14.2    | 14.1 | 0.6  | 17.9     | 17.5 | 0.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 76              | 22.4                | 30.7 | 6.8  | 25.0    | 34.0 | 7.5  | 26.3     | 37.2 | 7.9  |
| Congestive Heart Failure.....              | 178             | 16.9                | 14.3 | 3.7  | 24.7    | 22.6 | 5.7  | 33.1     | 28.7 | 6.4  |
| Pneumonia/Influenza.....                   | 213             | 18.3                | 18.3 | 2.7  | 23.0    | 25.0 | 3.6  | 29.1     | 29.1 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 62              | 14.5                | 7.6  | 4.8  | 24.2    | 13.3 | 7.2  | 30.6     | 17.8 | 7.9  |
| Transient Cerebral Ischemia.....           | 59              | 0.0                 | 1.4  | 2.3  | 0.0     | 3.1  | 4.9  | 3.4      | 5.1  | 5.1  |
| Stroke.....                                | 98              | 19.4                | 20.5 | 4.3  | 25.5    | 25.9 | 4.5  | 27.6     | 29.3 | 5.1  |
| Hip Fracture.....                          | 61              | 4.9                 | 6.1  | 3.8  | 13.1    | 10.6 | 4.9  | 14.8     | 13.9 | 5.6  |
| Sepsis.....                                | 33              | 30.3                | 25.3 | ---- | 39.4    | 33.5 | ---- | 42.4     | 38.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 36              | 0.0                 | 2.0  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.0  | ---- |
| Coronary Artery Bypass Graft.....          | 84              | 4.8                 | 5.0  | 2.6  | 6.0     | 6.6  | 2.9  | 7.1      | 7.5  | 3.3  |
| Initial Pacemaker Insertion.....           | 41              | 0.0                 | 2.5  | ---- | 4.9     | 4.9  | ---- | 4.9      | 7.3  | ---- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 1.4  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.7  | ---- |
| Hip Replacement/Reconstruction.....        | 59              | 0.0                 | 2.6  | 3.4  | 5.1     | 4.9  | 5.0  | 6.8      | 6.7  | 4.4  |
| Open Reduction of Hip Fracture.....        | 15              | 6.7                 | 6.0  | ---- | 13.3    | 10.8 | ---- | 20.0     | 14.2 | ---- |
| Prostatectomy.....                         | 59              | 1.7                 | 1.4  | 1.5  | 5.1     | 3.2  | 2.8  | 6.8      | 5.4  | 3.4  |
| Cholecystectomy.....                       | 44              | 6.8                 | 5.6  | ---- | 11.4    | 9.4  | ---- | 18.2     | 11.8 | ---- |
| Hysterectomy.....                          | 42              | 0.0                 | 0.7  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GOOD SAMARITAN HOSPITAL

Medicare Provider Number: 360134

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.7 years |
| Proportion female.....        | 57.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 51.4 % |
| Transferred from skilled nursing facility..... | 0.9 %  |
| Admitted for elective procedure.....           | 16.6 % |
| Admitted for emergency.....                    | 50.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.0 %  |
| Chronic cardiovascular disease..... | 35.3 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 7.0 %  |
| Chronic pulmonary disease.....      | 10.0 % |
| Cerebrovascular degeneration.....   | 3.0 %  |
| Diabetes mellitus.....              | 8.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 80.7%  |
| State .....         | 11.1%  |
| Outside State ..... | 8.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.5 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 703    |
| Occupancy Rate .....       | 79.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 25.9 % |
| Case Mix Index (CMI) ..... | 1.4701 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 428    |
| Percent of Physicians Board<br>Certified Specialists..... | 82.0 % |
| Medical Residents/Interns .....                           | 63     |
| Registered Nurses.....                                    | 817    |
| Licensed Practical Nurses .....                           | 64     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# GOOD SAMARITAN HOSPITAL & HEALTH CENTER

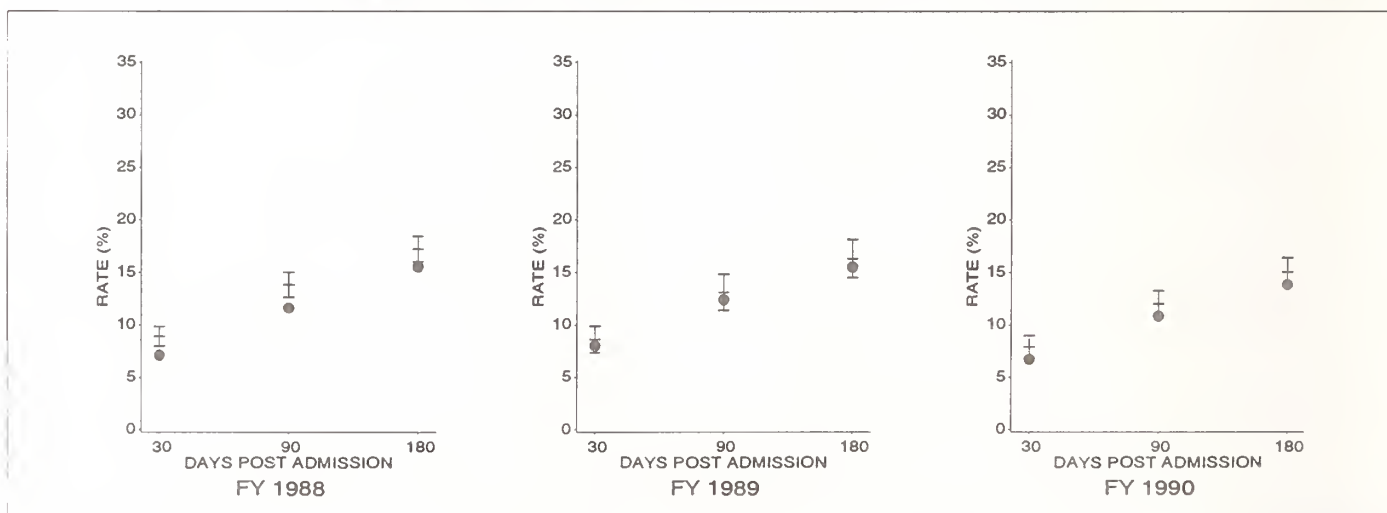
2222 PHILADELPHIA DR  
DAYTON, OH 45406  
Medicare Provider Number: 360052

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 4465            | 6.7                 | 7.9  | 0.5  | 10.8    | 12.0 | 0.6  | 13.8     | 15.0 | 0.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 138             | 21.0                | 22.7 | 4.0  | 26.1    | 25.8 | 3.8  | 28.3     | 28.5 | 3.9  |
| Congestive Heart Failure.....              | 224             | 14.3                | 14.2 | 3.1  | 21.9    | 22.4 | 3.0  | 28.1     | 28.4 | 3.2  |
| Pneumonia/Influenza.....                   | 126             | 13.5                | 18.7 | 6.0  | 21.4    | 25.2 | 5.3  | 26.2     | 29.5 | 5.6  |
| Chronic Obstructive Pulmonary Disease..... | 56              | 7.1                 | 8.7  | 3.9  | 19.6    | 14.5 | 5.8  | 23.2     | 18.9 | 6.3  |
| Transient Cerebral Ischemia.....           | 68              | 4.4                 | 1.4  | 3.3  | 5.9     | 3.2  | 3.8  | 7.4      | 5.1  | 3.4  |
| Stroke.....                                | 105             | 10.5                | 22.6 | 6.0  | 13.3    | 29.2 | 7.1  | 21.9     | 33.0 | 6.9  |
| Hip Fracture.....                          | 101             | 3.0                 | 6.5  | 4.5  | 8.9     | 11.7 | 5.6  | 11.9     | 15.3 | 5.1  |
| Sepsis.....                                | 20              | 30.0                | 23.1 | ---- | 35.0    | 32.6 | ---- | 35.0     | 37.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 127             | 1.6                 | 2.6  | 1.7  | 1.6     | 3.3  | 2.0  | 2.4      | 4.0  | 2.1  |
| Coronary Artery Bypass Graft.....          | 220             | 7.7                 | 5.9  | 2.2  | 9.1     | 8.0  | 2.5  | 10.0     | 8.8  | 2.9  |
| Initial Pacemaker Insertion.....           | 42              | 9.5                 | 3.9  | ---- | 11.9    | 7.2  | ---- | 14.3     | 9.8  | ---- |
| Carotid Endarterectomy.....                | 17              | 0.0                 | 1.7  | ---- | 0.0     | 3.1  | ---- | 0.0      | 4.6  | ---- |
| Hip Replacement/Reconstruction.....        | 70              | 0.0                 | 3.5  | 3.4  | 4.3     | 6.9  | 4.4  | 5.7      | 9.4  | 5.8  |
| Open Reduction of Hip Fracture.....        | 54              | 5.6                 | 6.3  | 4.1  | 13.0    | 11.8 | 5.0  | 16.7     | 15.6 | 6.9  |
| Prostatectomy.....                         | 139             | 0.0                 | 1.1  | 1.3  | 2.9     | 2.7  | 1.5  | 4.3      | 4.6  | 1.9  |
| Cholecystectomy.....                       | 102             | 2.0                 | 2.6  | 2.3  | 4.9     | 4.9  | 2.2  | 4.9      | 6.7  | 2.8  |
| Hysterectomy.....                          | 43              | 2.3                 | 1.8  | ---- | 4.7     | 3.7  | ---- | 4.7      | 5.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GOOD SAMARITAN HOSPITAL & HEALTH CENTER

Medicare Provider Number: 360052

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.7 years  
Proportion female..... 53.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.2 %  
Transferred from skilled nursing facility..... 4.8 %  
Admitted for elective procedure..... 28.7 %  
Admitted for emergency..... 51.4 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 38.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 9.6 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.6%  
State..... 23.4%  
Outside State..... 2.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.5 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 473  
Occupancy Rate..... 73.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 34.5 %  
Case Mix Index (CMI)..... 1.5080

### STAFFING:

Total Number of Physicians..... 297  
Percent of Physicians Board  
Certified Specialists..... 75.8 %  
Medical Residents/Interns..... 64  
Registered Nurses..... 528  
Licensed Practical Nurses..... 102

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GOOD SAMARITAN MEDICAL CENTER

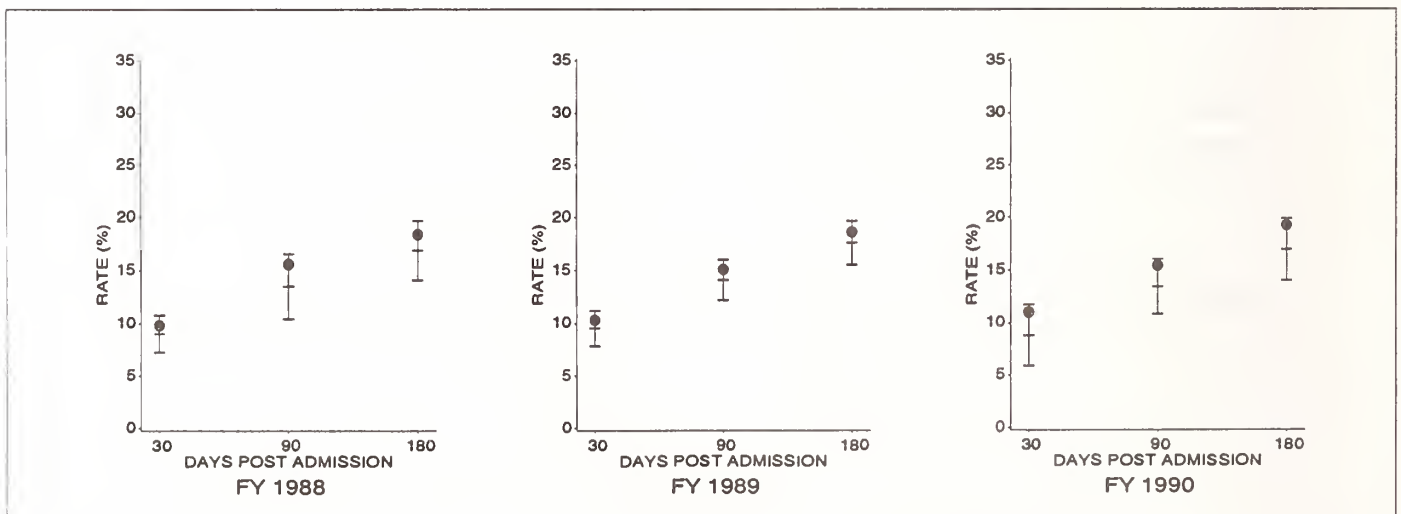
800 FOREST AVE  
ZANESVILLE, OH 43701  
Medicare Provider Number: 360039

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2129            | 11.0                | 8.8  | 1.5   | 15.4    | 13.4 | 1.3   | 19.2     | 16.9 | 1.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 80              | 31.3                | 26.8 | 5.5   | 37.5    | 29.6 | 6.7   | 43.8     | 32.5 | 8.1   |
| Congestive Heart Failure.....              | 101             | 19.8                | 13.0 | 7.1   | 24.8    | 20.7 | 6.9   | 33.7     | 26.6 | 8.1   |
| Pneumonia/Influenza.....                   | 198             | 18.2                | 15.3 | 4.0   | 24.2    | 21.1 | 3.9   | 26.8     | 25.1 | 3.4   |
| Chronic Obstructive Pulmonary Disease..... | 69              | 14.5                | 7.0  | 7.0   | 18.8    | 12.4 | 8.6   | 26.1     | 16.5 | 10.1  |
| Transient Cerebral Ischemia.....           | 38              | 2.6                 | 1.8  | ----- | 5.3     | 4.1  | ----- | 5.3      | 6.6  | ----- |
| Stroke.....                                | 86              | 17.4                | 21.5 | 5.5   | 27.9    | 27.9 | 5.0   | 32.6     | 31.9 | 5.3   |
| Hip Fracture.....                          | 51              | 7.8                 | 6.0  | 5.1   | 13.7    | 10.9 | 6.5   | 17.6     | 14.6 | 6.0   |
| Sepsis.....                                | 26              | 26.9                | 23.0 | ----- | 26.9    | 30.0 | ----- | 34.6     | 34.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 2.4  | ----- | 0.0     | 4.9  | ----- | 0.0      | 7.2  | ----- |
| Carotid Endarterectomy.....                | 11              | 0.0                 | 1.6  | ----- | 0.0     | 3.1  | ----- | 9.1      | 4.4  | ----- |
| Hip Replacement/Reconstruction.....        | 21              | 4.8                 | 3.6  | ----- | 9.5     | 7.0  | ----- | 14.3     | 9.6  | ----- |
| Open Reduction of Hip Fracture.....        | 12              | 8.3                 | 5.7  | ----- | 16.7    | 10.4 | ----- | 16.7     | 13.6 | ----- |
| Prostatectomy.....                         | 45              | 0.0                 | 1.2  | ----- | 2.2     | 3.0  | ----- | 6.7      | 5.2  | ----- |
| Cholecystectomy.....                       | 47              | 0.0                 | 1.6  | ----- | 0.0     | 2.7  | ----- | 2.1      | 3.5  | ----- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GOOD SAMARITAN MEDICAL CENTER

Medicare Provider Number: 360039

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.9 years |
| Proportion female.....        | 51.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 43.6 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 34.4 % |
| Admitted for emergency.....                    | 57.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.6 %  |
| Chronic cardiovascular disease..... | 32.2 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 1.5 %  |
| Chronic pulmonary disease.....      | 17.2 % |
| Cerebrovascular degeneration.....   | 6.0 %  |
| Diabetes mellitus.....              | 8.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 57.2%  |
| State .....         | 41.5%  |
| Outside State ..... | 1.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.0 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 309    |
| Occupancy Rate .....       | 58.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 39.1 % |
| Case Mix Index (CMI) ..... | 1.1930 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 115    |
| Percent of Physicians Board<br>Certified Specialists ..... | 79.1 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 232    |
| Licensed Practical Nurses .....                            | 62     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

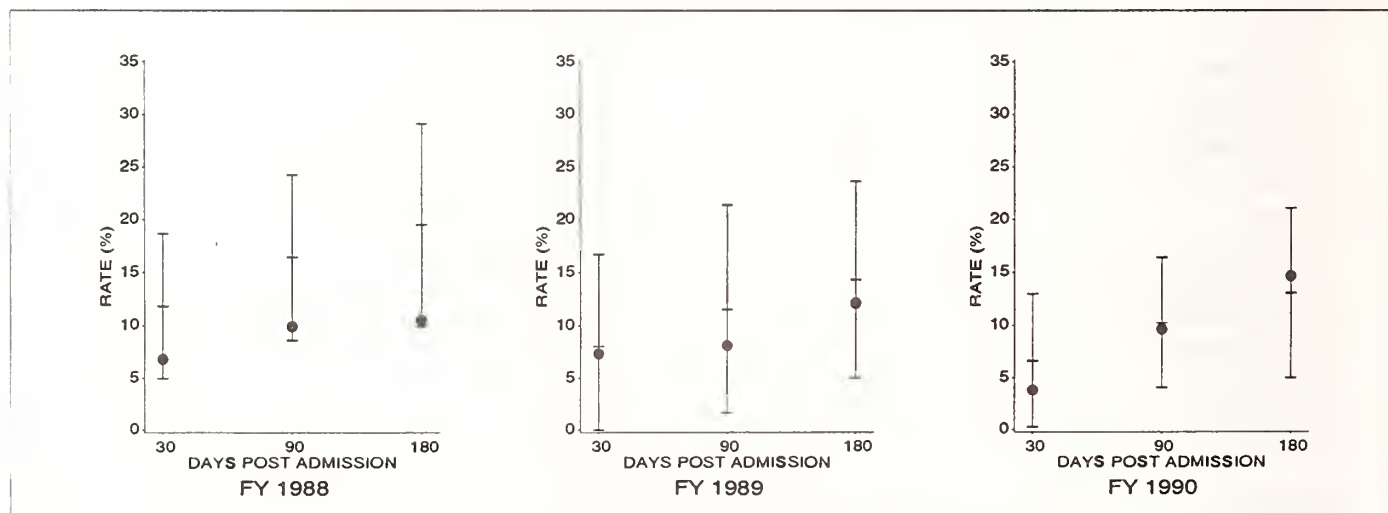
**GRACE HOSPITAL**  
2307 W 14TH ST  
CLEVELAND, OH 44113  
Medicare Provider Number: 360104

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 157                | 3.8                 | 6.6  | 3.2  | 9.6     | 10.2 | 3.1  | 14.6     | 13.0 | 4.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 1                  | 0.0                 | 43.7 | ---- | 0.0     | 49.6 | ---- | 100.0    | 53.4 | ---- |
| Congestive Heart Failure.....              | 12                 | 8.3                 | 15.1 | ---- | 33.3    | 24.8 | ---- | 41.7     | 31.7 | ---- |
| Pneumonia/Influenza.....                   | 6                  | 0.0                 | 14.8 | ---- | 16.7    | 20.9 | ---- | 33.3     | 24.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 8                  | 0.0                 | 15.1 | ---- | 0.0     | 24.3 | ---- | 0.0      | 30.6 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 1.1  | ---- | 0.0     | 2.6  | ---- | 25.0     | 4.4  | ---- |
| Stroke.....                                | 2                  | 0.0                 | 24.6 | ---- | 0.0     | 29.1 | ---- | 50.0     | 32.9 | ---- |
| Hip Fracture.....                          | 1                  | 0.0                 | 2.0  | ---- | 0.0     | 4.1  | ---- | 0.0      | 5.8  | ---- |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 1                  | 0.0                 | 0.2  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.8  | ---- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.4  | ---- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.8  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**GRACE HOSPITAL**  
Medicare Provider Number: 360104

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 66.8 years  
Proportion female..... 52.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 44.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 97.5 %

**COMORBIDITIES:**

Cancer..... 1.9 %  
Chronic cardiovascular disease..... 28.7 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 22.3 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 8.3 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 94.9%  
State ..... 2.2%  
Outside State ..... 2.9%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 87  
Occupancy Rate ..... 31.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 10.9 %  
Case Mix Index (CMI) ..... 0.9095

**STAFFING:**

Total Number of Physicians..... 45  
Percent of Physicians Board  
Certified Specialists..... 42.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 24  
Licensed Practical Nurses..... 18

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRADY MEMORIAL HOSPITAL

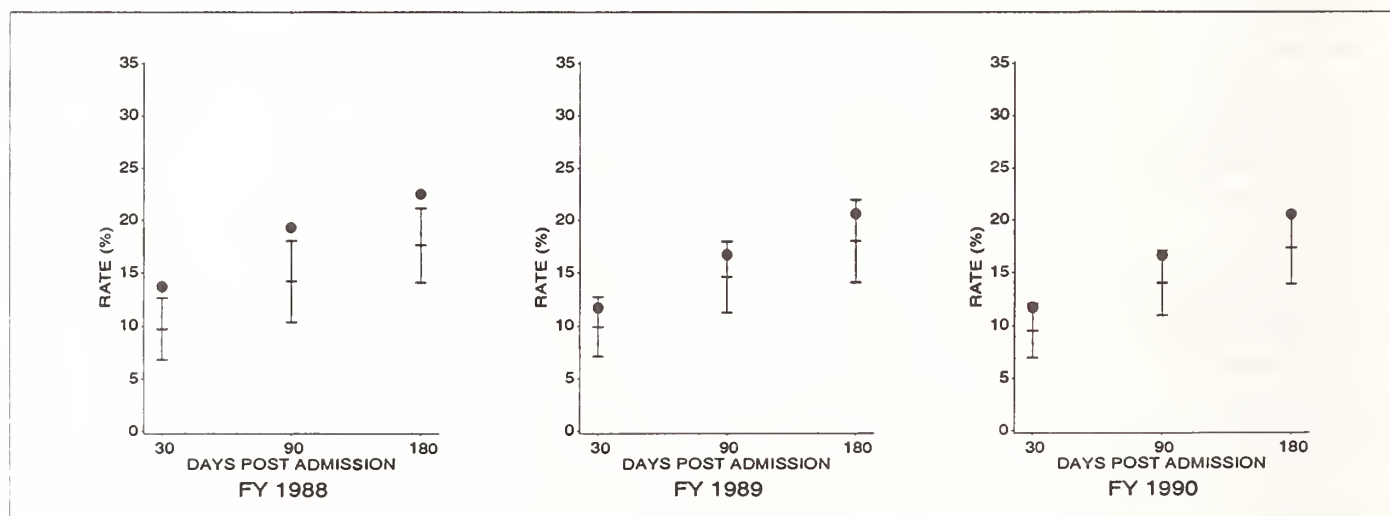
561 W CENTRAL AVE  
DELAWARE, OH 43015  
Medicare Provider Number: 360210

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 841             | 11.7                | 9.5  | 1.3   | 16.6    | 14.0 | 1.5   | 20.5     | 17.3 | 1.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 22.2                | 27.1 | ----- | 29.6    | 29.8 | ----- | 33.3     | 32.3 | ----- |
| Congestive Heart Failure.....              | 55              | 21.8                | 14.7 | 8.2   | 27.3    | 23.3 | 8.3   | 40.0     | 29.2 | 10.1  |
| Pneumonia/Influenza.....                   | 75              | 12.0                | 15.1 | 6.0   | 16.0    | 20.5 | 6.5   | 21.3     | 24.0 | 6.0   |
| Chronic Obstructive Pulmonary Disease..... | 9               | 11.1                | 6.9  | ----- | 11.1    | 11.9 | ----- | 22.2     | 15.6 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.1  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.4  | ----- |
| Stroke.....                                | 28              | 17.9                | 16.3 | ----- | 21.4    | 22.3 | ----- | 32.1     | 26.3 | ----- |
| Hip Fracture.....                          | 31              | 9.7                 | 7.3  | ----- | 16.1    | 12.9 | ----- | 19.4     | 16.5 | ----- |
| Sepsis.....                                | 15              | 6.7                 | 16.9 | ----- | 13.3    | 21.8 | ----- | 13.3     | 25.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 3.0  | ----- | 0.0     | 6.7  | ----- | 0.0      | 9.9  | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.6  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.7  | ----- |
| Hip Replacement/Reconstruction.....        | 9               | 22.2                | 4.3  | ----- | 22.2    | 8.1  | ----- | 22.2     | 10.6 | ----- |
| Open Reduction of Hip Fracture.....        | 22              | 4.5                 | 7.5  | ----- | 13.6    | 13.5 | ----- | 18.2     | 17.5 | ----- |
| Prostatectomy.....                         | 19              | 0.0                 | 1.0  | ----- | 5.3     | 1.9  | ----- | 10.5     | 3.1  | ----- |
| Cholecystectomy.....                       | 12              | 0.0                 | 2.3  | ----- | 0.0     | 5.0  | ----- | 0.0      | 7.5  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GRADY MEMORIAL HOSPITAL

Medicare Provider Number: 360210

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
Proportion female..... 61.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 32.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 31.6 %  
Admitted for emergency..... 67.2 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 39.0 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 9.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 79.8 %  
State..... 18.2 %  
Outside State..... 2.0 %  
Total..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.7 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 117  
Occupancy Rate..... 32.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 36.2 %  
Case Mix Index (CMI)..... 1.1636

### STAFFING:

Total Number of Physicians..... 40  
Percent of Physicians Board  
Certified Specialists..... 72.5 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 117  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRANDVIEW HOSPITAL & MEDICAL CENTER

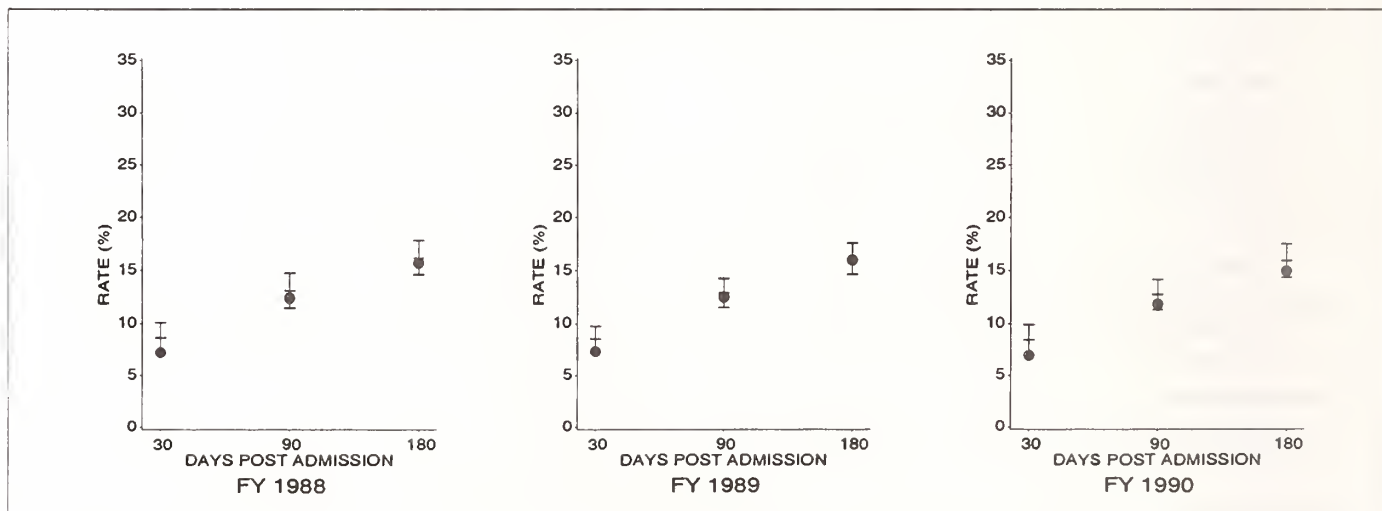
405 GRAND AVE  
DAYTON, OH 45405  
Medicare Provider Number: 360133

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2441            | 6.9                 | 8.4  | 0.7  | 11.8    | 12.7 | 0.7  | 14.9     | 15.9 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 65              | 29.2                | 24.4 | 6.9  | 32.3    | 27.0 | 7.4  | 33.8     | 29.4 | 7.5  |
| Congestive Heart Failure.....              | 124             | 12.1                | 13.3 | 3.3  | 21.8    | 21.0 | 3.7  | 28.2     | 27.2 | 4.1  |
| Pneumonia/Influenza.....                   | 125             | 17.6                | 14.9 | 5.1  | 23.2    | 20.3 | 6.6  | 26.4     | 23.9 | 5.9  |
| Chronic Obstructive Pulmonary Disease..... | 40              | 2.5                 | 6.7  | ---- | 5.0     | 11.9 | ---- | 7.5      | 15.9 | ---- |
| Transient Cerebral Ischemia.....           | 48              | 0.0                 | 1.7  | ---- | 0.0     | 3.5  | ---- | 0.0      | 5.5  | ---- |
| Stroke.....                                | 74              | 14.9                | 21.4 | 5.9  | 25.7    | 27.4 | 5.3  | 28.4     | 31.1 | 5.6  |
| Hip Fracture.....                          | 51              | 15.7                | 7.4  | 5.7  | 19.6    | 13.1 | 6.1  | 27.5     | 17.0 | 7.7  |
| Sepsis.....                                | 21              | 19.0                | 23.5 | ---- | 33.3    | 30.0 | ---- | 42.9     | 33.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 16              | 12.5                | 3.2  | ---- | 12.5    | 3.9  | ---- | 12.5     | 4.7  | ---- |
| Coronary Artery Bypass Graft.....          | 31              | 6.5                 | 5.0  | ---- | 16.1    | 7.4  | ---- | 16.1     | 8.5  | ---- |
| Initial Pacemaker Insertion.....           | 31              | 0.0                 | 2.3  | ---- | 3.2     | 4.7  | ---- | 9.7      | 6.8  | ---- |
| Carotid Endarterectomy.....                | 33              | 0.0                 | 1.3  | ---- | 3.0     | 2.5  | ---- | 3.0      | 3.8  | ---- |
| Hip Replacement/Reconstruction.....        | 33              | 9.1                 | 2.8  | ---- | 9.1     | 5.0  | ---- | 15.2     | 6.8  | ---- |
| Open Reduction of Hip Fracture.....        | 31              | 12.9                | 6.2  | ---- | 16.1    | 11.4 | ---- | 22.6     | 15.3 | ---- |
| Prostatectomy.....                         | 72              | 0.0                 | 1.5  | 2.5  | 1.4     | 3.3  | 3.9  | 6.9      | 5.3  | 3.4  |
| Cholecystectomy.....                       | 53              | 3.8                 | 2.5  | 2.3  | 3.8     | 4.7  | 2.9  | 5.7      | 6.2  | 3.8  |
| Hysterectomy.....                          | 18              | 0.0                 | 0.3  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GRANDVIEW HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 360133

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.0 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.1 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 12.8 %  
Admitted for emergency..... 85.4 %

### COMORBIDITIES:

Cancer..... 6.7 %  
Chronic cardiovascular disease..... 34.2 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 4.2 %  
Chronic pulmonary disease..... 20.9 %  
Cerebrovascular degeneration..... 3.4 %  
Diabetes mellitus..... 11.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 65.0%  
State..... 32.4%  
Outside State..... 2.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 10.6 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 452  
Occupancy Rate..... 52.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 33.2 %  
Case Mix Index (CMI)..... 1.3766

### STAFFING:

Total Number of Physicians..... 176  
Percent of Physicians Board  
Certified Specialists..... 59.7 %  
Medical Residents/Interns..... 80  
Registered Nurses..... 351  
Licensed Practical Nurses..... 42

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRANT MEDICAL CENTER

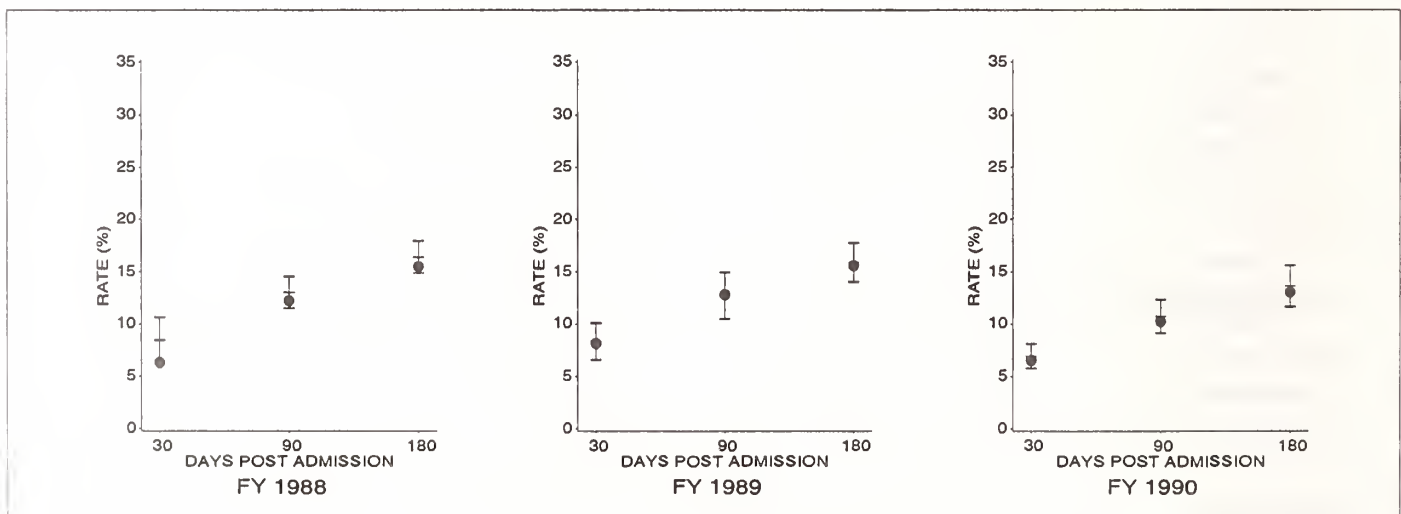
111 S GRANT AVE  
COLUMBUS, OH 43215  
Medicare Provider Number: 360017

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3292            | 6.5                 | 6.9  | 0.6  | 10.2    | 10.7 | 0.8  | 13.0     | 13.6 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 78              | 25.6                | 25.5 | 6.0  | 25.6    | 28.2 | 6.3  | 26.9     | 30.8 | 7.7  |
| Congestive Heart Failure.....              | 138             | 13.0                | 13.8 | 3.6  | 23.2    | 21.9 | 4.1  | 28.3     | 27.8 | 3.8  |
| Pneumonia/Influenza.....                   | 100             | 17.0                | 14.7 | 6.0  | 21.0    | 20.3 | 5.3  | 24.0     | 23.9 | 4.9  |
| Chronic Obstructive Pulmonary Disease..... | 26              | 7.7                 | 6.5  | ---- | 23.1    | 11.3 | ---- | 26.9     | 15.0 | ---- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 1.1  | ---- | 6.3     | 2.5  | ---- | 6.3      | 4.0  | ---- |
| Stroke.....                                | 69              | 24.6                | 22.6 | 5.4  | 33.3    | 29.1 | 7.8  | 36.2     | 32.9 | 7.8  |
| Hip Fracture.....                          | 38              | 5.3                 | 6.8  | ---- | 5.3     | 11.8 | ---- | 5.3      | 15.1 | ---- |
| Sepsis.....                                | 28              | 21.4                | 25.0 | ---- | 28.6    | 35.7 | ---- | 28.6     | 40.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 89              | 0.0                 | 3.2  | 3.6  | 2.2     | 4.1  | 2.6  | 2.2      | 4.9  | 3.1  |
| Coronary Artery Bypass Graft.....          | 87              | 6.9                 | 5.4  | 2.8  | 11.5    | 7.9  | 3.8  | 13.8     | 9.1  | 4.6  |
| Initial Pacemaker Insertion.....           | 19              | 5.3                 | 3.2  | ---- | 15.8    | 6.1  | ---- | 15.8     | 8.7  | ---- |
| Carotid Endarterectomy.....                | 19              | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.5  | ---- |
| Hip Replacement/Reconstruction.....        | 212             | 1.9                 | 1.0  | 1.1  | 2.4     | 1.9  | 1.1  | 2.4      | 2.7  | 1.2  |
| Open Reduction of Hip Fracture.....        | 20              | 5.0                 | 7.8  | ---- | 5.0     | 13.8 | ---- | 5.0      | 17.8 | ---- |
| Prostatectomy.....                         | 43              | 2.3                 | 1.2  | ---- | 2.3     | 2.7  | ---- | 7.0      | 4.7  | ---- |
| Cholecystectomy.....                       | 78              | 5.1                 | 3.3  | 2.8  | 5.1     | 6.8  | 3.2  | 6.4      | 9.6  | 4.3  |
| Hysterectomy.....                          | 19              | 0.0                 | 0.2  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GRANT MEDICAL CENTER

Medicare Provider Number: 360017

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.4 years  
Proportion female..... 56.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 63.8 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 35.5 %  
Admitted for emergency..... 37.4 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 31.3 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 11.5 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 56.7%  
State ..... 39.0%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.8 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 413  
Occupancy Rate ..... 72.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 28.4 %  
Case Mix Index (CMI) ..... 1.6510

### STAFFING:

Total Number of Physicians..... 291  
Percent of Physicians Board  
Certified Specialists ..... 85.6 %  
Medical Residents/Interns ..... 39  
Registered Nurses..... 418  
Licensed Practical Nurses ..... 97

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GREENE MEMORIAL HOSPITAL

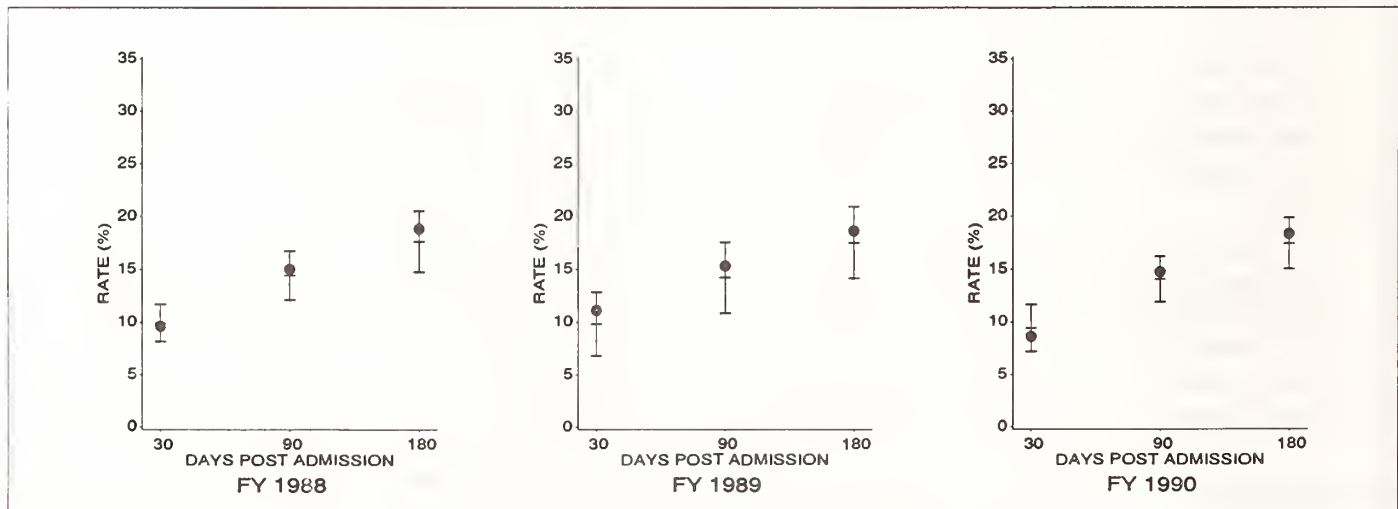
1141 N MONROE DR  
XENIA, OH 45385  
Medicare Provider Number: 360026

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1246            | 8.6                 | 9.4  | 1.1   | 14.7    | 14.0 | 1.1   | 18.3     | 17.4 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 27              | 25.9                | 28.6 | ----- | 29.6    | 31.2 | ----- | 29.6     | 33.5 | ----- |
| Congestive Heart Failure.....              | 66              | 12.1                | 13.9 | 5.1   | 18.2    | 21.6 | 6.2   | 21.2     | 27.7 | 8.1   |
| Pneumonia/Influenza.....                   | 74              | 16.2                | 16.2 | 5.9   | 28.4    | 22.4 | 7.9   | 35.1     | 26.4 | 9.3   |
| Chronic Obstructive Pulmonary Disease..... | 23              | 4.3                 | 8.5  | ----- | 13.0    | 14.3 | ----- | 17.4     | 18.9 | ----- |
| Transient Cerebral Ischemia.....           | 20              | 5.0                 | 1.9  | ----- | 5.0     | 4.2  | ----- | 5.0      | 6.9  | ----- |
| Stroke.....                                | 57              | 21.1                | 21.1 | 5.5   | 31.6    | 27.4 | 6.8   | 33.3     | 31.2 | 6.5   |
| Hip Fracture.....                          | 45              | 6.7                 | 6.2  | ----- | 11.1    | 11.3 | ----- | 11.1     | 15.0 | ----- |
| Sepsis.....                                | 14              | 14.3                | 30.3 | ----- | 35.7    | 38.7 | ----- | 57.1     | 43.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 0.0                 | 2.1  | ----- | 20.0    | 4.5  | ----- | 20.0     | 6.5  | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 2.8  | ----- | 0.0     | 4.8  | ----- | 0.0      | 6.3  | ----- |
| Hip Replacement/Reconstruction.....        | 20              | 0.0                 | 3.0  | ----- | 5.0     | 5.6  | ----- | 5.0      | 7.6  | ----- |
| Open Reduction of Hip Fracture.....        | 26              | 3.8                 | 5.9  | ----- | 7.7     | 11.4 | ----- | 7.7      | 15.4 | ----- |
| Prostatectomy.....                         | 64              | 1.6                 | 0.9  | 1.3   | 1.6     | 2.1  | 2.0   | 3.1      | 3.5  | 2.3   |
| Cholecystectomy.....                       | 19              | 0.0                 | 2.3  | ----- | 10.5    | 4.9  | ----- | 10.5     | 7.2  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GREENE MEMORIAL HOSPITAL

Medicare Provider Number: 360026

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years  
Proportion female..... 56.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.8 %  
Transferred from skilled nursing facility..... 1.8 %  
Admitted for elective procedure..... 17.2 %  
Admitted for emergency..... 58.9 %

### COMORBIDITIES:

Cancer..... 8.3 %  
Chronic cardiovascular disease..... 32.7 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 16.2 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 83.7%  
State ..... 13.8%  
Outside State ..... 2.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 219  
Occupancy Rate ..... 50.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 31.2 %  
Case Mix Index (CMI) ..... 1.1297

### STAFFING:

Total Number of Physicians..... 87  
Percent of Physicians Board  
Certified Specialists..... 83.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 161  
Licensed Practical Nurses ..... 30

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GREENFIELD AREA MEDICAL CENTER

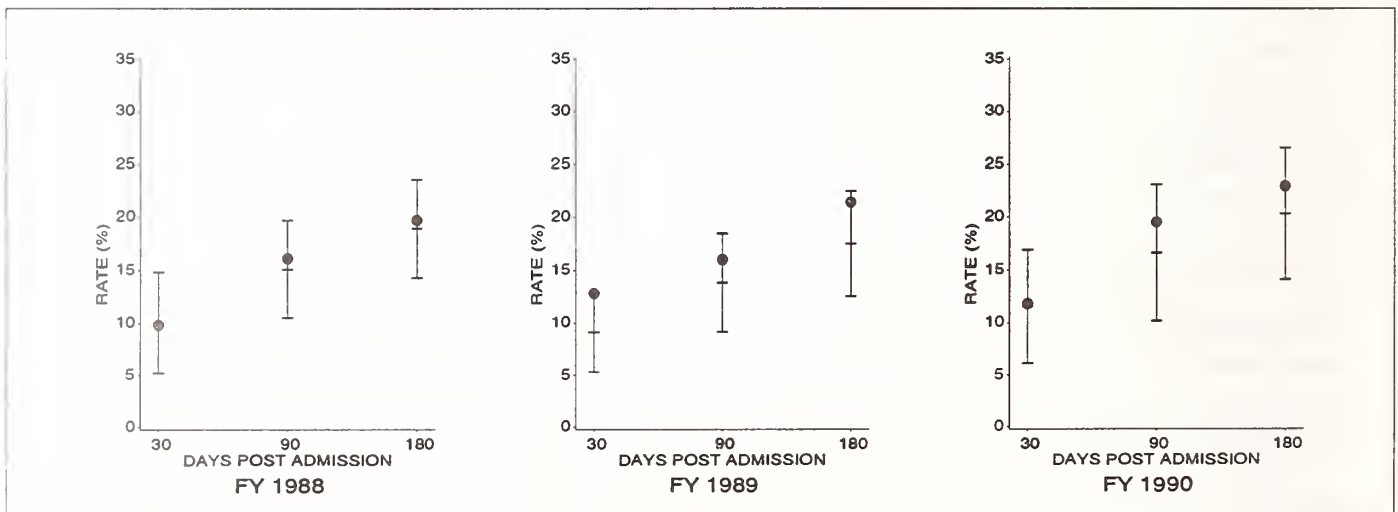
545 SOUTH STREET  
GREENFIELD, OH 45123  
Medicare Provider Number: 360186

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 262             | 11.8                | 11.5 | 2.7   | 19.5    | 16.6 | 3.2   | 22.9     | 20.3 | 3.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 20.0                | 21.8 | ----- | 30.0    | 25.3 | ----- | 30.0     | 28.2 | ----- |
| Congestive Heart Failure.....              | 16              | 6.3                 | 14.7 | ----- | 31.3    | 23.9 | ----- | 43.8     | 29.8 | ----- |
| Pneumonia/Influenza.....                   | 44              | 15.9                | 16.9 | ----- | 18.2    | 22.6 | ----- | 25.0     | 26.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13              | 7.7                 | 6.1  | ----- | 30.8    | 11.5 | ----- | 30.8     | 15.8 | ----- |
| Transient Cerebral Ischemia.....           | 6               | 16.7                | 2.1  | ----- | 16.7    | 5.0  | ----- | 16.7     | 8.1  | ----- |
| Stroke.....                                | 11              | 27.3                | 20.9 | ----- | 36.4    | 25.2 | ----- | 45.5     | 29.2 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.4  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.1  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 3               | 0.0                 | 6.4  | ----- | 0.0     | 13.6 | ----- | 33.3     | 20.1 | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GREENFIELD AREA MEDICAL CENTER

Medicare Provider Number: 360186

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
Proportion female..... 61.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 98.5 %

### COMORBIDITIES:

Cancer..... 3.4 %  
Chronic cardiovascular disease..... 38.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 21.0 %  
Cerebrovascular degeneration..... 5.0 %  
Diabetes mellitus..... 10.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.7%  
State ..... 31.2%  
Outside State ..... 1.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 36  
Occupancy Rate ..... 55.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 56.9 %  
Case Mix Index (CMI) ..... 1.0872

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... 42.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 26  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GUERNSEY MEMORIAL HOSPITAL

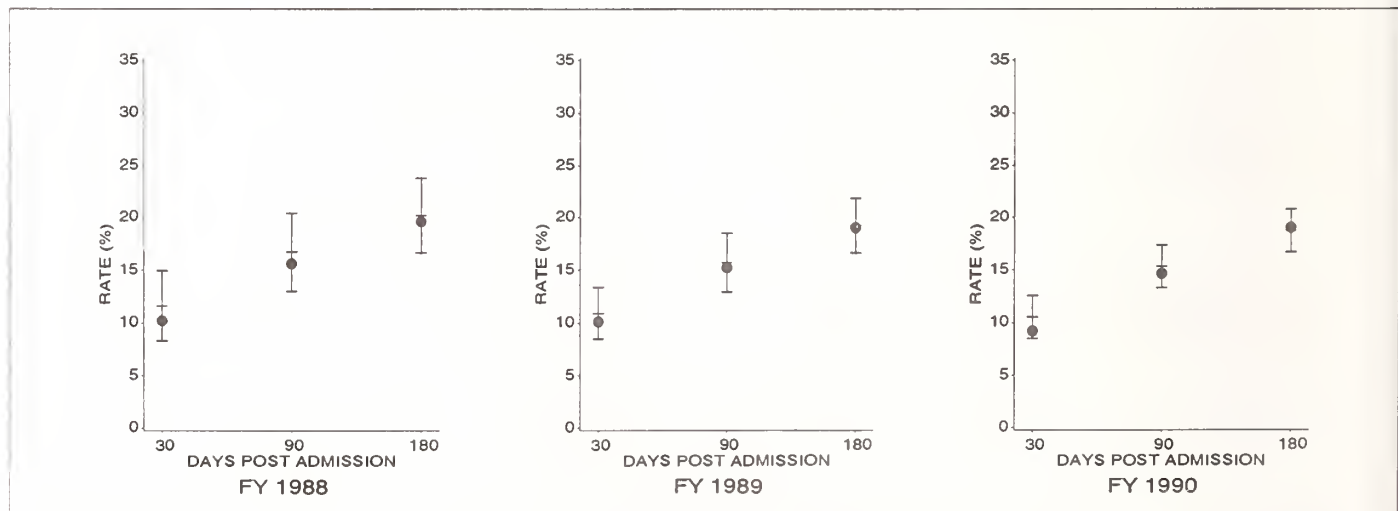
1341 N CLARK STREET  
CAMBRIDGE, OH 43725  
Medicare Provider Number: 360203

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1508               | 9.2                 | 10.5 | 1.0   | 14.6    | 15.3 | 1.0   | 19.0     | 18.7 | 1.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 43                 | 27.9                | 27.8 | ----- | 39.5    | 31.0 | ----- | 39.5     | 33.7 | ----- |
| Congestive Heart Failure.....              | 72                 | 19.4                | 17.3 | 4.8   | 26.4    | 26.3 | 7.0   | 31.9     | 32.5 | 6.3   |
| Pneumonia/Influenza.....                   | 180                | 18.9                | 18.9 | 2.9   | 27.8    | 25.7 | 4.2   | 33.3     | 29.9 | 5.2   |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 15.4                | 6.3  | ----- | 15.4    | 11.4 | ----- | 23.1     | 15.7 | ----- |
| Transient Cerebral Ischemia.....           | 31                 | 3.2                 | 2.2  | ----- | 3.2     | 4.7  | ----- | 6.5      | 7.4  | ----- |
| Stroke.....                                | 52                 | 13.5                | 20.0 | 9.8   | 17.3    | 25.8 | 11.2  | 21.2     | 29.4 | 11.1  |
| Hip Fracture.....                          | 49                 | 6.1                 | 7.1  | ----- | 8.2     | 12.1 | ----- | 16.3     | 15.7 | ----- |
| Sepsis.....                                | 21                 | 23.8                | 36.2 | ----- | 42.9    | 41.7 | ----- | 47.6     | 45.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 2.7  | ----- | 33.3    | 6.0  | ----- | 33.3     | 9.8  | ----- |
| Carotid Endarterectomy.....                | 2                  | 0.0                 | 2.5  | ----- | 0.0     | 4.6  | ----- | 0.0      | 7.0  | ----- |
| Hip Replacement/Reconstruction.....        | 33                 | 6.1                 | 5.1  | ----- | 9.1     | 9.1  | ----- | 18.2     | 12.1 | ----- |
| Open Reduction of Hip Fracture.....        | 17                 | 5.9                 | 7.2  | ----- | 5.9     | 12.5 | ----- | 11.8     | 16.0 | ----- |
| Prostatectomy.....                         | 60                 | 0.0                 | 1.2  | 3.8   | 5.0     | 2.8  | 4.2   | 10.0     | 4.7  | 5.5   |
| Cholecystectomy.....                       | 33                 | 6.1                 | 2.4  | ----- | 6.1     | 4.7  | ----- | 9.1      | 6.3  | ----- |
| Hysterectomy.....                          | 11                 | 0.0                 | 0.2  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GUERNSEY MEMORIAL HOSPITAL

Medicare Provider Number: 360203

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.3 years |
| Proportion female.....        | 58.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 28.1 % |
| Transferred from skilled nursing facility..... | 0.4 %  |
| Admitted for elective procedure.....           | 9.4 %  |
| Admitted for emergency.....                    | 71.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.6 %  |
| Chronic cardiovascular disease..... | 48.5 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 1.3 %  |
| Chronic pulmonary disease.....      | 14.6 % |
| Cerebrovascular degeneration.....   | 4.0 %  |
| Diabetes mellitus.....              | 6.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 74.2%  |
| State .....         | 23.9%  |
| Outside State ..... | 1.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.1 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 170                 |
| Occupancy Rate .....       | 57.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 43.1 %              |
| Case Mix Index (CMI) ..... | 1.1262              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 40     |
| Percent of Physicians Board<br>Certified Specialists..... | 47.5 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 113    |
| Licensed Practical Nurses.....                            | 79     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# H B MAGRUDER MEMORIAL HOSPITAL

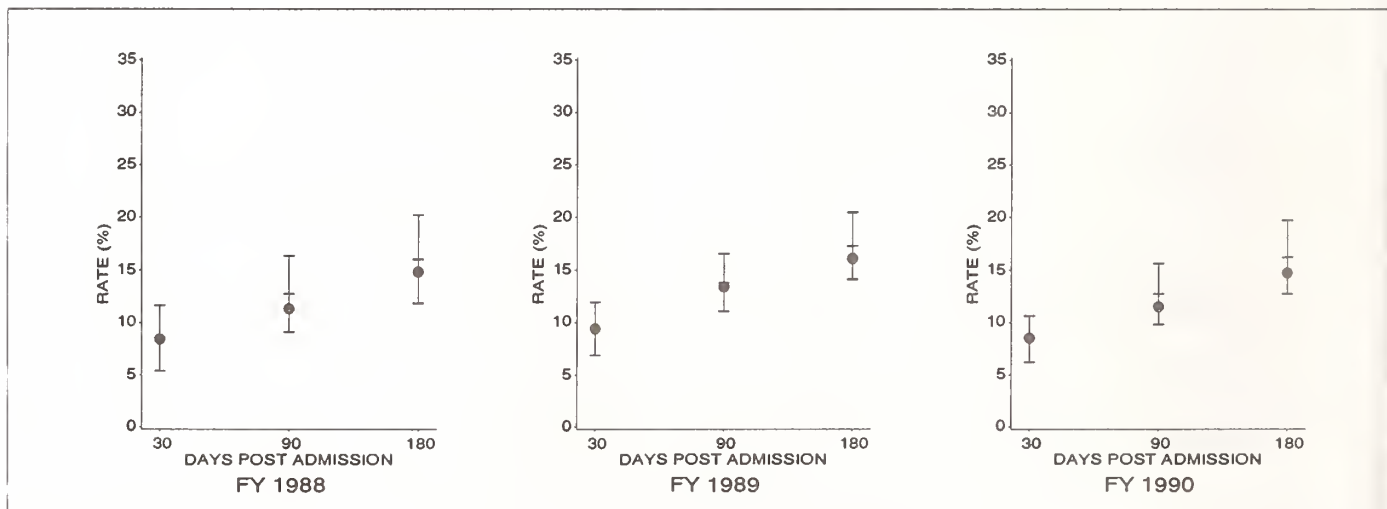
615 FULTON ST  
PORT CLINTON, OH 43452  
Medicare Provider Number: 360114

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 668             | 8.5                 | 8.4  | 1.1  | 11.5    | 12.7 | 1.5  | 14.7     | 16.2 | 1.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 32              | 25.0                | 24.5 | ---- | 25.0    | 27.0 | ---- | 25.0     | 29.7 | ---- |
| Congestive Heart Failure.....              | 27              | 11.1                | 13.2 | ---- | 22.2    | 20.9 | ---- | 33.3     | 27.0 | ---- |
| Pneumonia/Influenza.....                   | 50              | 16.0                | 15.7 | ---- | 22.0    | 21.8 | ---- | 24.0     | 26.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 20              | 5.0                 | 7.4  | ---- | 5.0     | 12.3 | ---- | 5.0      | 16.3 | ---- |
| Transient Cerebral Ischemia.....           | 9               | 11.1                | 1.4  | ---- | 11.1    | 3.0  | ---- | 11.1     | 4.9  | ---- |
| Stroke.....                                | 19              | 21.1                | 17.9 | ---- | 26.3    | 24.4 | ---- | 31.6     | 29.0 | ---- |
| Hip Fracture.....                          | 14              | 7.1                 | 6.7  | ---- | 14.3    | 11.3 | ---- | 14.3     | 14.7 | ---- |
| Sepsis.....                                | 10              | 10.0                | 22.6 | ---- | 10.0    | 29.0 | ---- | 40.0     | 33.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 3.7  | ---- | 0.0     | 5.7  | ---- | 0.0      | 7.8  | ---- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 2.1  | ---- | 0.0     | 3.8  | ---- | 0.0      | 5.5  | ---- |
| Hip Replacement/Reconstruction.....        | 7               | 0.0                 | 4.3  | ---- | 0.0     | 8.0  | ---- | 0.0      | 10.7 | ---- |
| Open Reduction of Hip Fracture.....        | 5               | 20.0                | 4.5  | ---- | 20.0    | 7.8  | ---- | 20.0     | 10.5 | ---- |
| Prostatectomy.....                         | 23              | 0.0                 | 1.0  | ---- | 0.0     | 2.5  | ---- | 0.0      | 4.3  | ---- |
| Cholecystectomy.....                       | 8               | 0.0                 | 1.3  | ---- | 0.0     | 2.7  | ---- | 12.5     | 4.1  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.0  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# H B MAGRUDER MEMORIAL HOSPITAL

Medicare Provider Number: 360114

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.2 years |
| Proportion female.....        | 55.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 52.1 % |
| Transferred from skilled nursing facility..... | 6.6 %  |
| Admitted for elective procedure.....           | 12.7 % |
| Admitted for emergency.....                    | 59.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.5 %  |
| Chronic cardiovascular disease..... | 40.1 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 1.9 %  |
| Chronic pulmonary disease.....      | 28.0 % |
| Cerebrovascular degeneration.....   | 4.6 %  |
| Diabetes mellitus.....              | 8.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 82.4%  |
| State .....         | 13.2%  |
| Outside State ..... | 4.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.3 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 71                  |
| Occupancy Rate .....       | 49.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 41.8 %              |
| Case Mix Index (CMI) ..... | 1.1038              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 38     |
| Percent of Physicians Board<br>Certified Specialists ..... | 36.8 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 63     |
| Licensed Practical Nurses .....                            | 31     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARDIN MEMORIAL HOSPITAL

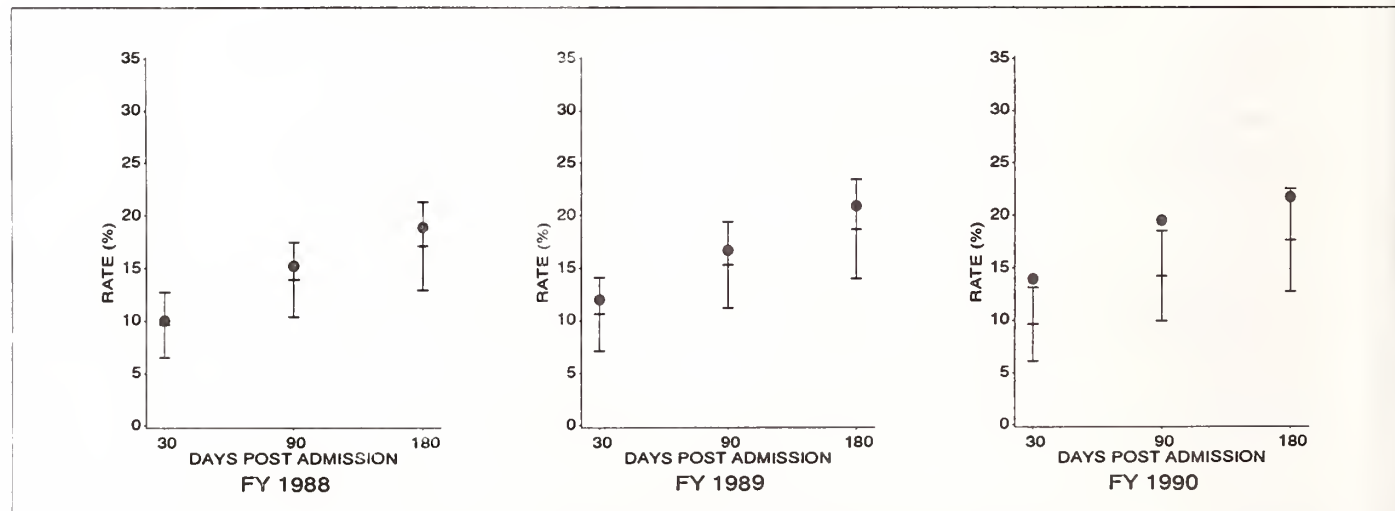
921 E FRANKLIN STREET  
KENTON, OH 43326  
Medicare Provider Number: 360176

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 563             | 13.9                | 9.6  | 1.8  | 19.5    | 14.2 | 2.2  | 21.7     | 17.6 | 2.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 16              | 37.5                | 25.6 | ---- | 37.5    | 28.3 | ---- | 37.5     | 30.8 | ---- |
| Congestive Heart Failure.....              | 59              | 15.3                | 13.8 | 4.6  | 27.1    | 21.7 | 6.6  | 30.5     | 27.5 | 8.3  |
| Pneumonia/Influenza.....                   | 32              | 25.0                | 14.2 | ---- | 40.6    | 19.6 | ---- | 40.6     | 23.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 50.0                | 8.1  | ---- | 50.0    | 14.1 | ---- | 50.0     | 18.4 | ---- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 1.5  | ---- | 0.0     | 3.2  | ---- | 11.1     | 5.2  | ---- |
| Stroke.....                                | 25              | 36.0                | 23.4 | ---- | 48.0    | 30.0 | ---- | 52.0     | 33.7 | ---- |
| Hip Fracture.....                          | 17              | 17.6                | 6.6  | ---- | 23.5    | 11.0 | ---- | 23.5     | 14.2 | ---- |
| Sepsis.....                                | 9               | 33.3                | 36.0 | ---- | 33.3    | 44.8 | ---- | 33.3     | 50.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 33.3                | 6.7  | ---- | 33.3    | 9.7  | ---- | 33.3     | 12.0 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 16              | 18.8                | 5.6  | ---- | 25.0    | 9.8  | ---- | 25.0     | 12.9 | ---- |
| Prostatectomy.....                         | 23              | 0.0                 | 0.6  | ---- | 8.7     | 1.4  | ---- | 8.7      | 2.6  | ---- |
| Cholecystectomy.....                       | 15              | 0.0                 | 3.1  | ---- | 0.0     | 5.0  | ---- | 0.0      | 5.9  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HARDIN MEMORIAL HOSPITAL

Medicare Provider Number: 360176

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 54.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 37.3 %  
Admitted for emergency..... 62.2 %

### COMORBIDITIES:

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 42.3 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 16.5 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 82.2%  
State..... 16.7%  
Outside State..... 1.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.8 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 51  
Occupancy Rate..... 45.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 57.5 %  
Case Mix Index (CMI)..... 1.1740

### STAFFING:

Total Number of Physicians..... 18  
Percent of Physicians Board  
Certified Specialists..... 77.8 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 43  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARRISON COMMUNITY HOSPITAL

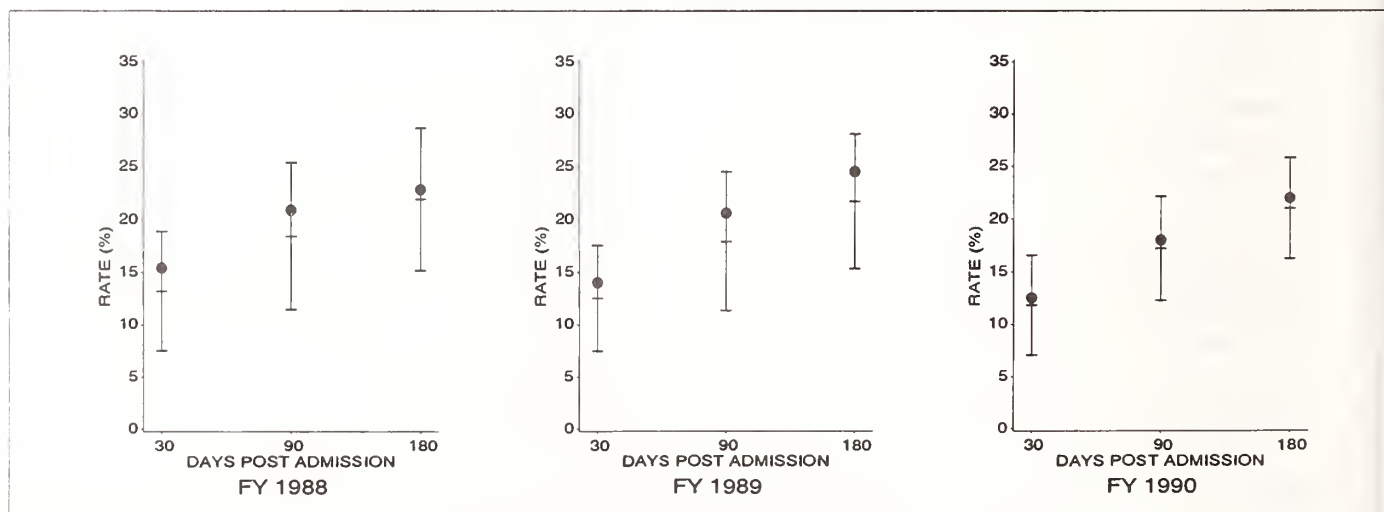
951 EAST MARKET STREET  
CADIZ, OH 43907  
Medicare Provider Number: 360231

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 328             | 12.5                | 11.8 | 2.4  | 18.0    | 17.2 | 2.5  | 22.0     | 21.0 | 2.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 12              | 33.3                | 24.7 | ---- | 33.3    | 28.2 | ---- | 33.3     | 31.3 | ---- |
| Congestive Heart Failure.....              | 26              | 26.9                | 16.0 | ---- | 26.9    | 25.2 | ---- | 30.8     | 31.5 | ---- |
| Pneumonia/Influenza.....                   | 37              | 27.0                | 21.5 | ---- | 37.8    | 28.5 | ---- | 40.5     | 33.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 16.7                | 11.9 | ---- | 16.7    | 20.0 | ---- | 16.7     | 25.3 | ---- |
| Transient Cerebral Ischemia.....           | 10              | 0.0                 | 1.8  | ---- | 10.0    | 4.1  | ---- | 10.0     | 6.7  | ---- |
| Stroke.....                                | 9               | 44.4                | 27.4 | ---- | 66.7    | 33.5 | ---- | 66.7     | 37.2 | ---- |
| Hip Fracture.....                          | 8               | 12.5                | 5.5  | ---- | 12.5    | 9.5  | ---- | 37.5     | 12.8 | ---- |
| Sepsis.....                                | 7               | 28.6                | 28.6 | ---- | 28.6    | 36.2 | ---- | 42.9     | 40.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 3.2  | ---- | 0.0     | 6.7  | ---- | 0.0      | 9.5  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 2.9  | ---- | 0.0     | 6.3  | ---- | 33.3     | 10.0 | ---- |
| Open Reduction of Hip Fracture.....        | 6               | 16.7                | 5.9  | ---- | 16.7    | 10.4 | ---- | 33.3     | 14.1 | ---- |
| Prostatectomy.....                         | 4               | 0.0                 | 1.9  | ---- | 0.0     | 5.0  | ---- | 0.0      | 9.0  | ---- |
| Cholecystectomy.....                       | 10              | 0.0                 | 2.7  | ---- | 10.0    | 5.5  | ---- | 10.0     | 7.7  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HARRISON COMMUNITY HOSPITAL

Medicare Provider Number: 360231

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.6 years  
 Proportion female..... 55.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 16.5 %  
 Transferred from skilled nursing facility..... 0.6 %  
 Admitted for elective procedure..... 6.7 %  
 Admitted for emergency..... 92.7 %

### COMORBIDITIES:

Cancer..... 5.5 %  
 Chronic cardiovascular disease..... 51.5 %  
 Chronic liver disease..... 0.0 %  
 Chronic renal disease..... 4.9 %  
 Chronic pulmonary disease..... 23.8 %  
 Cerebrovascular degeneration..... 2.1 %  
 Diabetes mellitus..... 12.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.4%  
 State ..... 20.2%  
 Outside State ..... 2.4%  
 Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.8 Days  
 State ..... 8.3 Days  
 National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 50  
 Ownership/Control..... Private, Non-Profit  
 Case Mix Index (CMI) ..... 1.0812

### STAFFING:

Medical Residents/Interns ..... 0  
 Registered Nurses..... 33  
 Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No  
 Coronary Care Unit ..... Yes  
 Hospice Care ..... No  
 Intensive Care Unit ..... Yes  
 Organ Transplant ..... No  
 Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
 Rehabilitation..... No  
 Psychiatric ..... No  
 Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HENRY COUNTY HOSPITAL

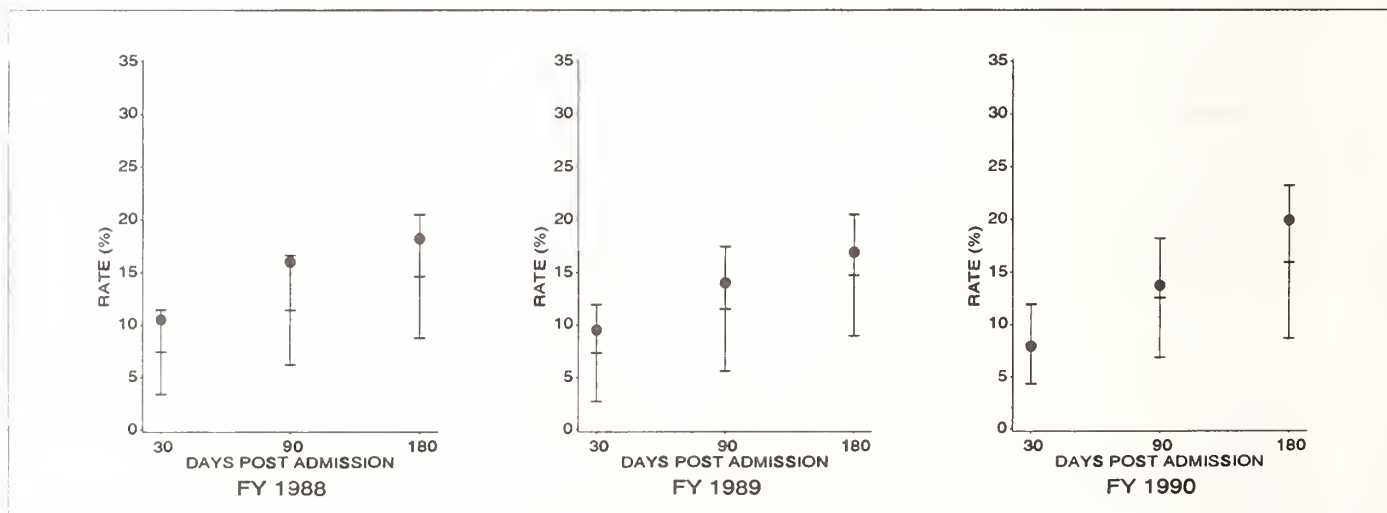
11-600 STATE RD 424  
 NAPOLEON, OH 43545  
 Medicare Provider Number: 360165

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 342             | 7.9                 | 8.1  | 1.9  | 13.7    | 12.5 | 2.8  | 19.9     | 15.9 | 3.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 12              | 50.0                | 21.5 | ---- | 58.3    | 23.9 | ---- | 58.3     | 26.4 | ---- |
| Congestive Heart Failure.....              | 18              | 5.6                 | 12.8 | ---- | 11.1    | 20.1 | ---- | 16.7     | 26.5 | ---- |
| Pneumonia/Influenza.....                   | 25              | 12.0                | 14.2 | ---- | 24.0    | 19.6 | ---- | 28.0     | 23.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 13              | 0.0                 | 4.8  | ---- | 15.4    | 9.1  | ---- | 30.8     | 12.5 | ---- |
| Transient Cerebral Ischemia.....           | 10              | 10.0                | 1.9  | ---- | 10.0    | 4.3  | ---- | 20.0     | 7.2  | ---- |
| Stroke.....                                | 10              | 20.0                | 20.4 | ---- | 20.0    | 28.8 | ---- | 20.0     | 33.3 | ---- |
| Hip Fracture.....                          | 11              | 18.2                | 6.7  | ---- | 18.2    | 12.8 | ---- | 18.2     | 17.1 | ---- |
| Sepsis.....                                | 2               | 0.0                 | 12.4 | ---- | 0.0     | 16.4 | ---- | 0.0      | 20.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 5.0  | ---- | 0.0     | 10.8 | ---- | 0.0      | 16.6 | ---- |
| Open Reduction of Hip Fracture.....        | 10              | 20.0                | 5.8  | ---- | 20.0    | 11.5 | ---- | 20.0     | 15.7 | ---- |
| Prostatectomy.....                         | 11              | 0.0                 | 1.7  | ---- | 9.1     | 3.7  | ---- | 9.1      | 6.2  | ---- |
| Cholecystectomy.....                       | 6               | 0.0                 | 0.4  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.2  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 2.4  | ---- | 0.0     | 5.2  | ---- | 0.0      | 7.8  | ---- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HENRY COUNTY HOSPITAL

Medicare Provider Number: 360165

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
Proportion female..... 52.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 99.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 35.1 %  
Admitted for emergency..... 64.0 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 33.9 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 12.9 %  
Cerebrovascular degeneration..... 3.2 %  
Diabetes mellitus..... 10.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.9%  
State ..... 10.8%  
Outside State ..... 1.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 50  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.0459

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses ..... 37  
Licensed Practical Nurses ..... 18

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... Yes  
Intensive Care Unit ..... Yes  
Organ Transplant ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HIGHLAND DISTRICT HOSPITAL

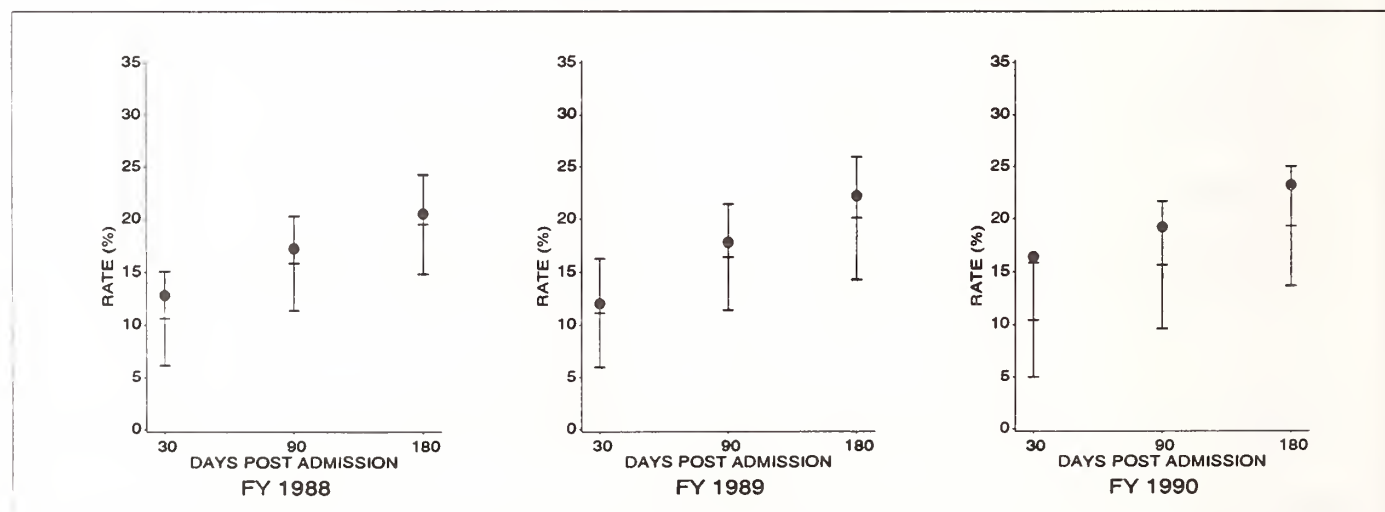
1275 N HIGH ST  
HILLSBORO, OH 45133  
Medicare Provider Number: 360142

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 250             | 16.4                | 10.4 | 2.7  | 19.2    | 15.6 | 3.0  | 23.2     | 19.3 | 2.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9               | 33.3                | 30.5 | ---- | 55.6    | 35.9 | ---- | 66.7     | 39.5 | ---- |
| Congestive Heart Failure.....              | 16              | 18.8                | 14.7 | ---- | 25.0    | 23.3 | ---- | 31.3     | 28.6 | ---- |
| Pneumonia/Influenza.....                   | 32              | 12.5                | 13.7 | ---- | 12.5    | 19.5 | ---- | 12.5     | 23.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 33.3                | 8.2  | ---- | 33.3    | 15.0 | ---- | 33.3     | 19.4 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.2  | ---- | 0.0     | 2.9  | ---- | 0.0      | 5.1  | ---- |
| Stroke.....                                | 14              | 28.6                | 17.0 | ---- | 28.6    | 22.6 | ---- | 35.7     | 26.4 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1               | 0.0                 | 13.2 | ---- | 0.0     | 20.7 | ---- | 0.0      | 25.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 1               | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.8  | ---- |
| Cholecystectomy.....                       | 8               | 0.0                 | 2.2  | ---- | 0.0     | 4.0  | ---- | 0.0      | 4.9  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HIGHLAND DISTRICT HOSPITAL

Medicare Provider Number: 360142

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.8 years  
Proportion female..... 60.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 5.2 %  
Admitted for emergency..... 49.6 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 29.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 12.4 %  
Cerebrovascular degeneration..... 9.2 %  
Diabetes mellitus..... 3.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.0%  
State ..... 13.0%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 41  
Occupancy Rate ..... 31.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 29.9 %  
Case Mix Index (CMI) ..... 1.0518

### STAFFING:

Total Number of Physicians..... 17  
Percent of Physicians Board  
Certified Specialists ..... 76.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 27  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HOCKING VALLEY COMMUNITY HOSPITAL

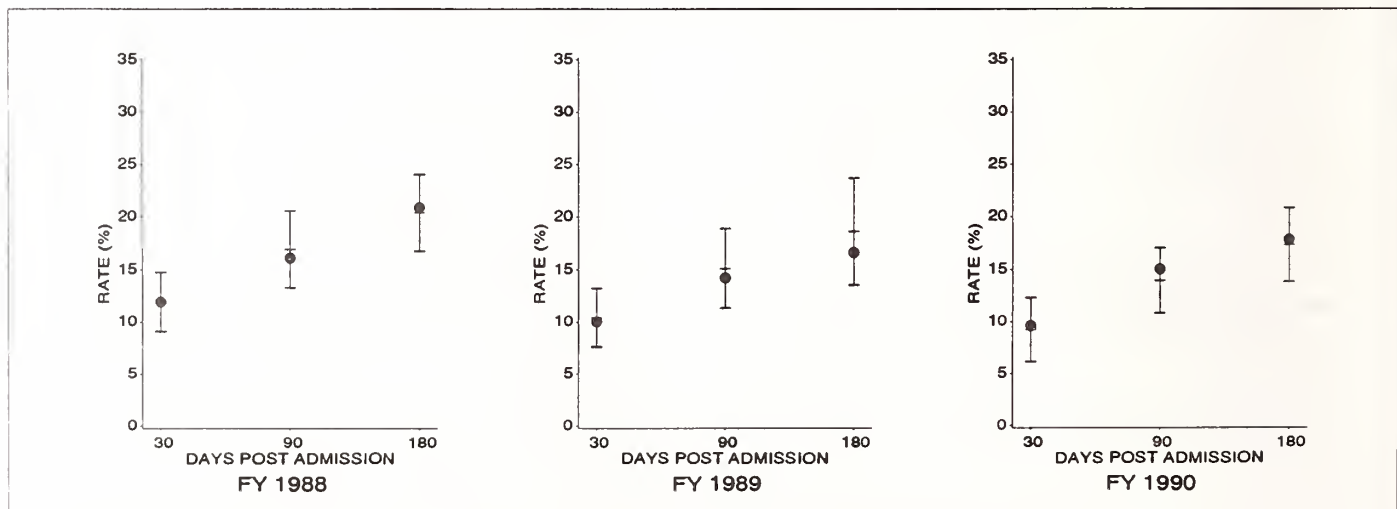
STATE ROUTE 664N, BOX 966  
LOGAN, OH 43138  
Medicare Provider Number: 360106

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 552             | 9.6                 | 9.2  | 1.5   | 15.0    | 13.9 | 1.6   | 17.8     | 17.3 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 20.0                | 22.9 | ----- | 20.0    | 25.4 | ----- | 20.0     | 28.4 | ----- |
| Congestive Heart Failure.....              | 36              | 27.8                | 14.0 | ----- | 30.6    | 22.2 | ----- | 33.3     | 27.8 | ----- |
| Pneumonia/Influenza.....                   | 50              | 12.0                | 14.9 | ----- | 18.0    | 21.2 | ----- | 22.0     | 25.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 37              | 5.4                 | 6.1  | ----- | 5.4     | 10.9 | ----- | 10.8     | 14.7 | ----- |
| Transient Cerebral Ischemia.....           | 15              | 0.0                 | 1.4  | ----- | 6.7     | 3.3  | ----- | 6.7      | 5.6  | ----- |
| Stroke.....                                | 19              | 26.3                | 17.9 | ----- | 42.1    | 23.4 | ----- | 47.4     | 26.8 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 6.0  | ----- | 0.0     | 10.8 | ----- | 0.0      | 13.5 | ----- |
| Sepsis.....                                | 7               | 14.3                | 19.6 | ----- | 14.3    | 25.6 | ----- | 14.3     | 30.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 1.3  | ----- | 0.0     | 2.9  | ----- | 0.0      | 4.5  | ----- |
| Carotid Endarterectomy.....                | 2               | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.5  | ----- |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 17              | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.2  | ----- |
| Cholecystectomy.....                       | 15              | 6.7                 | 2.6  | ----- | 13.3    | 5.5  | ----- | 13.3     | 7.8  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 1.2  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HOCKING VALLEY COMMUNITY HOSPITAL

Medicare Provider Number: 360106

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.7 years  
Proportion female..... 52.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.3 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 12.9 %  
Admitted for emergency..... 57.1 %

### COMORBIDITIES:

Cancer..... 4.3 %  
Chronic cardiovascular disease..... 25.2 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 0.4 %  
Chronic pulmonary disease..... 21.7 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 8.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.7%  
State ..... 22.6%  
Outside State ..... 1.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 92  
Occupancy Rate ..... 56.0 %  
Ownership/Control..... Local Government  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.2120

### STAFFING:

Total Number of Physicians..... 21  
Percent of Physicians Board  
Certified Specialists ..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 46  
Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HOLZER MEDICAL CENTER

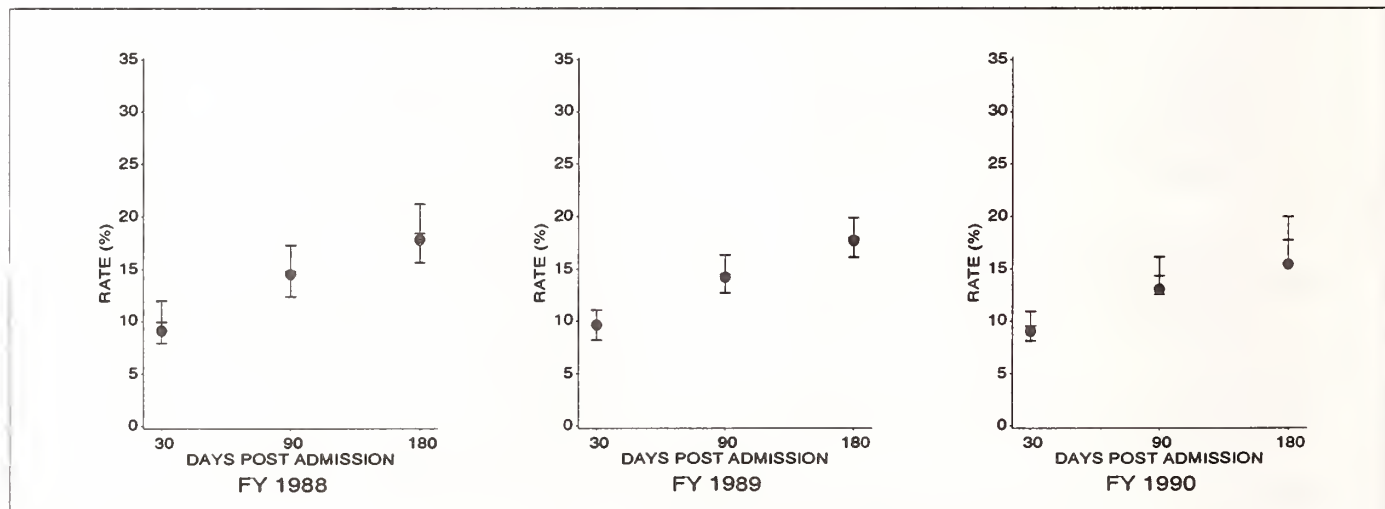
385 JACKSON PIKE  
GALLIPOLIS, OH 45631  
Medicare Provider Number: 360054

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1879            | 9.0                 | 9.5  | 0.7  | 13.0    | 14.3 | 0.9  | 15.4     | 17.7 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 58              | 27.6                | 31.5 | 6.7  | 27.6    | 34.0 | 7.2  | 29.3     | 36.5 | 7.7  |
| Congestive Heart Failure.....              | 98              | 10.2                | 13.1 | 6.4  | 19.4    | 20.8 | 6.1  | 27.6     | 26.6 | 6.0  |
| Pneumonia/Influenza.....                   | 120             | 14.2                | 14.8 | 3.3  | 15.8    | 20.5 | 4.2  | 19.2     | 24.4 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 7.6  | ---- | 14.3    | 12.5 | ---- | 14.3     | 16.7 | ---- |
| Transient Cerebral Ischemia.....           | 25              | 0.0                 | 2.4  | ---- | 0.0     | 5.2  | ---- | 4.0      | 8.3  | ---- |
| Stroke.....                                | 62              | 17.7                | 19.7 | 5.7  | 22.6    | 25.4 | 7.5  | 25.8     | 28.8 | 8.4  |
| Hip Fracture.....                          | 45              | 2.2                 | 6.6  | ---- | 6.7     | 11.4 | ---- | 6.7      | 14.7 | ---- |
| Sepsis.....                                | 18              | 11.1                | 23.6 | ---- | 33.3    | 30.7 | ---- | 33.3     | 35.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 18              | 0.0                 | 4.5  | ---- | 5.6     | 7.8  | ---- | 5.6      | 10.8 | ---- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 2.8  | ---- | 0.0     | 5.4  | ---- | 20.0     | 7.5  | ---- |
| Hip Replacement/Reconstruction.....        | 31              | 3.2                 | 4.4  | ---- | 6.5     | 8.4  | ---- | 6.5      | 11.3 | ---- |
| Open Reduction of Hip Fracture.....        | 18              | 0.0                 | 6.3  | ---- | 0.0     | 11.0 | ---- | 0.0      | 14.2 | ---- |
| Prostatectomy.....                         | 69              | 0.0                 | 0.6  | 1.2  | 0.0     | 1.6  | 2.2  | 2.9      | 2.8  | 2.0  |
| Cholecystectomy.....                       | 41              | 4.9                 | 1.8  | ---- | 4.9     | 3.3  | ---- | 4.9      | 4.4  | ---- |
| Hysterectomy.....                          | 17              | 0.0                 | 0.2  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HOLZER MEDICAL CENTER

Medicare Provider Number: 360054

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.7 years  
Proportion female..... 55.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.7 %  
Transferred from skilled nursing facility..... 1.5 %  
Admitted for elective procedure..... 19.3 %  
Admitted for emergency..... 50.3 %

### COMORBIDITIES:

Cancer..... 8.9 %  
Chronic cardiovascular disease..... 41.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 0.6 %  
Chronic pulmonary disease..... 26.0 %  
Cerebrovascular degeneration..... 1.4 %  
Diabetes mellitus..... 8.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 37.4%  
State ..... 45.6%  
Outside State ..... 17.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 269  
Occupancy Rate ..... 44.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 37.8 %  
Case Mix Index (CMI) ..... 1.2672

### STAFFING:

Total Number of Physicians..... 59  
Percent of Physicians Board  
Certified Specialists ..... 84.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 143  
Licensed Practical Nurses ..... 44

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HURON ROAD HOSPITAL

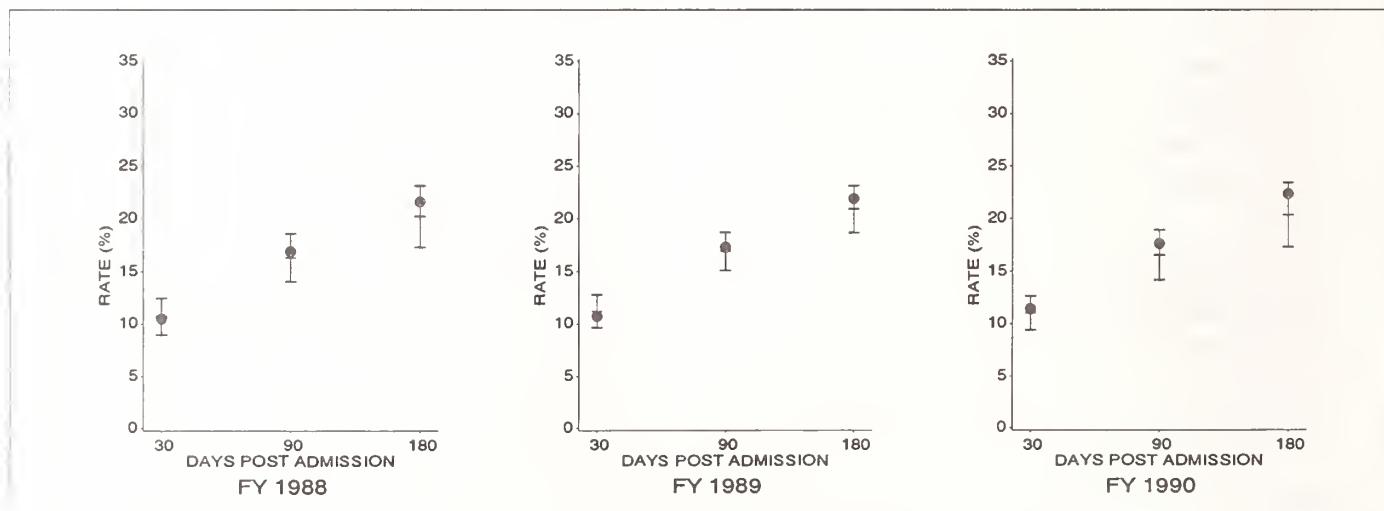
13951 TERRACE RD  
CLEVELAND, OH 44112  
Medicare Provider Number: 360101

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1865            | 11.4                | 11.0 | 0.8   | 17.6    | 16.5 | 1.2   | 22.3     | 20.3 | 1.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 34              | 23.5                | 31.8 | ----- | 26.5    | 34.5 | ----- | 29.4     | 37.0 | ----- |
| Congestive Heart Failure.....              | 148             | 11.5                | 15.2 | 3.9   | 20.9    | 24.4 | 4.4   | 27.0     | 31.0 | 5.2   |
| Pneumonia/Influenza.....                   | 62              | 24.2                | 17.2 | 6.6   | 29.0    | 23.6 | 6.4   | 32.3     | 27.7 | 6.6   |
| Chronic Obstructive Pulmonary Disease..... | 29              | 17.2                | 14.3 | ----- | 31.0    | 24.1 | ----- | 37.9     | 30.8 | ----- |
| Transient Cerebral Ischemia.....           | 17              | 0.0                 | 1.1  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.5  | ----- |
| Stroke.....                                | 74              | 16.2                | 18.3 | 4.8   | 28.4    | 24.6 | 5.8   | 33.8     | 28.5 | 7.0   |
| Hip Fracture.....                          | 11              | 9.1                 | 5.3  | ----- | 18.2    | 10.0 | ----- | 18.2     | 13.2 | ----- |
| Sepsis.....                                | 17              | 41.2                | 24.2 | ----- | 52.9    | 34.6 | ----- | 70.6     | 40.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 39              | 2.6                 | 1.7  | ----- | 2.6     | 2.4  | ----- | 5.1      | 3.2  | ----- |
| Coronary Artery Bypass Graft.....          | 93              | 3.2                 | 5.8  | 3.1   | 6.5     | 8.0  | 3.1   | 7.5      | 8.9  | 3.1   |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 5.7  | ----- | 0.0     | 9.7  | ----- | 0.0      | 12.5 | ----- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 1.0  | ----- | 0.0     | 1.9  | ----- | 16.7     | 2.9  | ----- |
| Hip Replacement/Reconstruction.....        | 4               | 25.0                | 5.4  | ----- | 25.0    | 10.7 | ----- | 25.0     | 14.1 | ----- |
| Open Reduction of Hip Fracture.....        | 6               | 16.7                | 3.8  | ----- | 16.7    | 7.5  | ----- | 16.7     | 10.4 | ----- |
| Prostatectomy.....                         | 54              | 1.9                 | 1.1  | 1.6   | 7.4     | 2.6  | 4.6   | 7.4      | 4.4  | 4.3   |
| Cholecystectomy.....                       | 14              | 0.0                 | 3.6  | ----- | 0.0     | 7.1  | ----- | 7.1      | 9.8  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HURON ROAD HOSPITAL

Medicare Provider Number: 360101

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.6 years  
Proportion female..... 55.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.1 %  
Transferred from skilled nursing facility..... 1.0 %  
Admitted for elective procedure..... 11.5 %  
Admitted for emergency..... 86.9 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 36.2 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 5.6 %  
Chronic pulmonary disease..... 13.5 %  
Cerebrovascular degeneration..... 7.2 %  
Diabetes mellitus..... 12.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 89.5 %  
State ..... 9.1 %  
Outside State ..... 1.4 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 243  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 48.0 %  
Case Mix Index (CMI) ..... 1.5092

### STAFFING:

Total Number of Physicians..... 185  
Percent of Physicians Board  
Certified Specialists..... 59.5 %  
Medical Residents/Interns ..... 50  
Registered Nurses..... 223  
Licensed Practical Nurses ..... 90

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JEWISH HOSPITAL KENWOOD

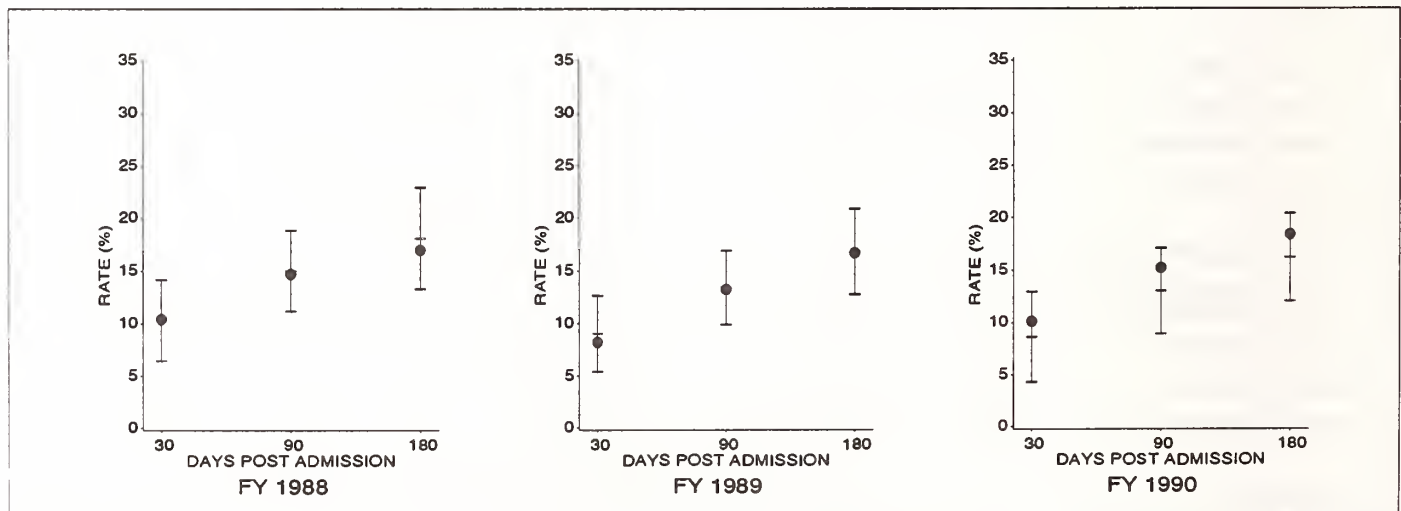
8000 KENWOOD ROAD  
CINCINNATI, OH 45236  
Medicare Provider Number: 360124

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 434             | 10.1                | 8.6  | 2.2  | 15.2    | 13.0 | 2.1  | 18.4     | 16.2 | 2.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7               | 42.9                | 31.6 | ---- | 42.9    | 34.0 | ---- | 57.1     | 36.5 | ---- |
| Congestive Heart Failure.....              | 19              | 5.3                 | 12.1 | ---- | 15.8    | 19.3 | ---- | 15.8     | 24.9 | ---- |
| Pneumonia/Influenza.....                   | 24              | 20.8                | 15.6 | ---- | 25.0    | 22.1 | ---- | 29.2     | 26.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 22              | 0.0                 | 5.6  | ---- | 13.6    | 10.5 | ---- | 13.6     | 14.4 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 4.7  | ---- | 40.0    | 10.7 | ---- | 40.0     | 16.8 | ---- |
| Stroke.....                                | 23              | 34.8                | 17.0 | ---- | 47.8    | 23.9 | ---- | 47.8     | 28.1 | ---- |
| Hip Fracture.....                          | 14              | 0.0                 | 7.3  | ---- | 0.0     | 13.4 | ---- | 0.0      | 17.2 | ---- |
| Sepsis.....                                | 8               | 50.0                | 28.3 | ---- | 50.0    | 38.3 | ---- | 62.5     | 43.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.5  | ---- | 0.0     | 3.4  | ---- | 0.0      | 5.5  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 7.1  | ---- | 0.0     | 13.3 | ---- | 0.0      | 17.2 | ---- |
| Open Reduction of Hip Fracture.....        | 10              | 0.0                 | 5.9  | ---- | 0.0     | 11.4 | ---- | 0.0      | 14.9 | ---- |
| Prostatectomy.....                         | 23              | 0.0                 | 1.0  | ---- | 0.0     | 2.1  | ---- | 4.3      | 3.6  | ---- |
| Cholecystectomy.....                       | 12              | 0.0                 | 1.3  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.0  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.0  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.1  | ---- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# JEWISH HOSPITAL KENWOOD

Medicare Provider Number: 360124

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.1 years |
| Proportion female.....        | 58.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 30.6 % |
| Transferred from skilled nursing facility..... | 5.1 %  |
| Admitted for elective procedure.....           | 17.5 % |
| Admitted for emergency.....                    | 63.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 3.9 %  |
| Chronic cardiovascular disease..... | 27.9 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 3.2 %  |
| Chronic pulmonary disease.....      | 20.5 % |
| Cerebrovascular degeneration.....   | 6.0 %  |
| Diabetes mellitus.....              | 5.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                    |        |
|--------------------|--------|
| County/City.....   | 68.3%  |
| State.....         | 28.8%  |
| Outside State..... | 2.9%   |
| Total.....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|               |          |
|---------------|----------|
| Hospital..... | 7.7 Days |
| State.....    | 8.3 Days |
| National..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                           |                     |
|---------------------------|---------------------|
| Total Beds.....           | 65                  |
| Occupancy Rate.....       | 46.0 %              |
| Ownership/Control.....    | Private, Non-Profit |
| Medicare Discharges.....  | 51.1 %              |
| Case Mix Index (CMI)..... | 1.1446              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 366    |
| Percent of Physicians Board<br>Certified Specialists..... | 68.9 % |
| Medical Residents/Interns.....                            | 0      |
| Registered Nurses.....                                    | 35     |
| Licensed Practical Nurses.....                            | 5      |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit.....                       | No  |
| Cardiac Intensive Care.....          | No  |
| Comprehensive Geriatric.....         | No  |
| Hospice Care.....                    | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant.....         | No  |
| Other Intensive Care.....            | No  |
| Trauma Center.....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                          |    |
|--------------------------|----|
| Alcohol/Drug.....        | No |
| Rehabilitation.....      | No |
| Psychiatric.....         | No |
| Medicare Swing Beds..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# JEWISH HOSPITAL OF CINCINNATI INC

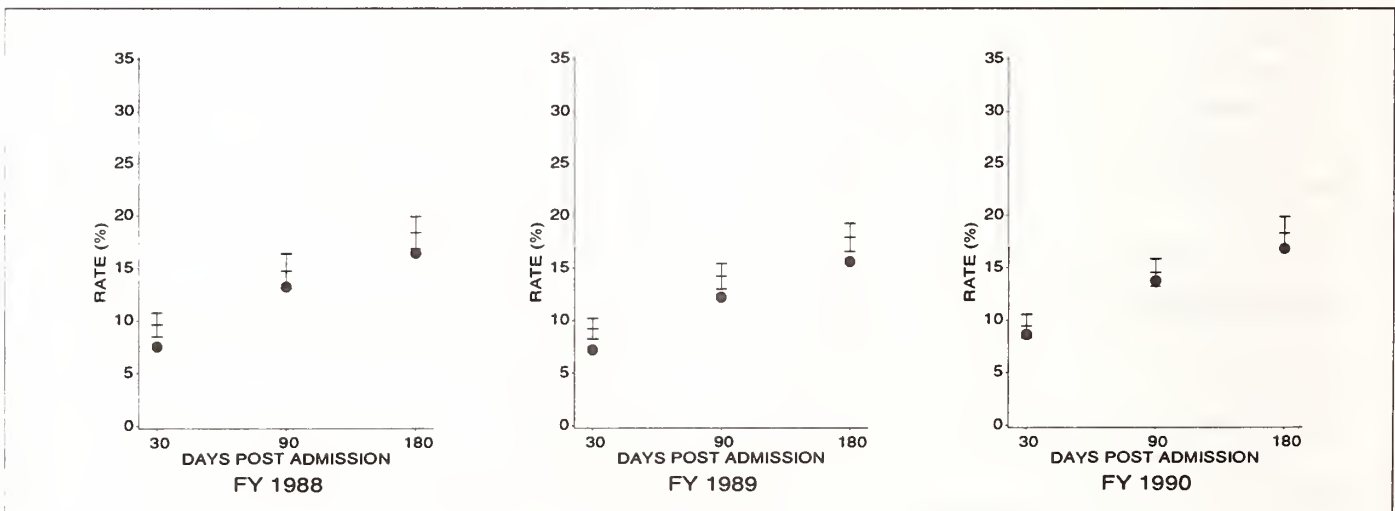
3200 BURNET AVE  
CINCINNATI, OH 45229  
Medicare Provider Number: 360016

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3830            | 8.6                 | 9.4  | 0.6  | 13.7    | 14.5 | 0.7  | 16.8     | 18.3 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 97              | 27.8                | 27.8 | 4.7  | 33.0    | 31.2 | 5.1  | 33.0     | 34.1 | 4.9  |
| Congestive Heart Failure.....              | 165             | 17.0                | 15.3 | 3.2  | 27.9    | 23.9 | 5.3  | 33.3     | 30.1 | 5.5  |
| Pneumonia/Influenza.....                   | 163             | 20.9                | 20.2 | 3.8  | 25.8    | 27.7 | 4.5  | 30.7     | 32.1 | 5.9  |
| Chronic Obstructive Pulmonary Disease..... | 42              | 7.1                 | 8.5  | ---- | 16.7    | 14.6 | ---- | 23.8     | 19.2 | ---- |
| Transient Cerebral Ischemia.....           | 42              | 2.4                 | 1.8  | ---- | 2.4     | 4.1  | ---- | 2.4      | 6.6  | ---- |
| Stroke.....                                | 111             | 16.2                | 21.3 | 6.8  | 26.1    | 28.6 | 6.2  | 30.6     | 32.6 | 5.8  |
| Hip Fracture.....                          | 96              | 11.5                | 8.0  | 4.2  | 14.6    | 14.3 | 3.6  | 18.8     | 18.4 | 4.1  |
| Sepsis.....                                | 39              | 23.1                | 22.0 | ---- | 38.5    | 31.2 | ---- | 41.0     | 36.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 99              | 4.0                 | 2.1  | 2.8  | 5.1     | 2.8  | 2.7  | 5.1      | 3.6  | 2.6  |
| Coronary Artery Bypass Graft.....          | 83              | 2.4                 | 5.5  | 3.7  | 3.6     | 7.8  | 4.9  | 6.0      | 8.9  | 5.4  |
| Initial Pacemaker Insertion.....           | 27              | 7.4                 | 4.3  | ---- | 14.8    | 7.5  | ---- | 18.5     | 10.3 | ---- |
| Carotid Endarterectomy.....                | 32              | 3.1                 | 1.7  | ---- | 3.1     | 3.0  | ---- | 6.3      | 4.3  | ---- |
| Hip Replacement/Reconstruction.....        | 67              | 3.0                 | 2.8  | 2.0  | 3.0     | 5.5  | 3.2  | 4.5      | 7.3  | 3.9  |
| Open Reduction of Hip Fracture.....        | 38              | 13.2                | 8.4  | ---- | 18.4    | 15.6 | ---- | 21.1     | 20.4 | ---- |
| Prostatectomy.....                         | 129             | 0.0                 | 1.0  | 1.3  | 2.3     | 2.4  | 1.4  | 3.9      | 4.2  | 1.8  |
| Cholecystectomy.....                       | 59              | 1.7                 | 2.6  | 2.9  | 1.7     | 5.1  | 4.5  | 3.4      | 7.2  | 5.6  |
| Hysterectomy.....                          | 48              | 0.0                 | 1.1  | ---- | 0.0     | 2.5  | ---- | 0.0      | 4.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JEWISH HOSPITAL OF CINCINNATI INC

Medicare Provider Number: 360016

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 59.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.4 %  
Transferred from skilled nursing facility..... 12.0 %  
Admitted for elective procedure..... 21.5 %  
Admitted for emergency..... 50.1 %

### COMORBIDITIES:

Cancer..... 9.2 %  
Chronic cardiovascular disease..... 31.8 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 9.5 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.8%  
State ..... 10.2%  
Outside State ..... 8.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 592  
Occupancy Rate ..... 57.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 41.6 %  
Case Mix Index (CMI) ..... 1.3779

### STAFFING:

Total Number of Physicians..... 518  
Percent of Physicians Board  
Certified Specialists ..... 67.0 %  
Medical Residents/Interns ..... 36  
Registered Nurses ..... 399  
Licensed Practical Nurses ..... 82

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JOEL POMERENE MEMORIAL HOSPITAL

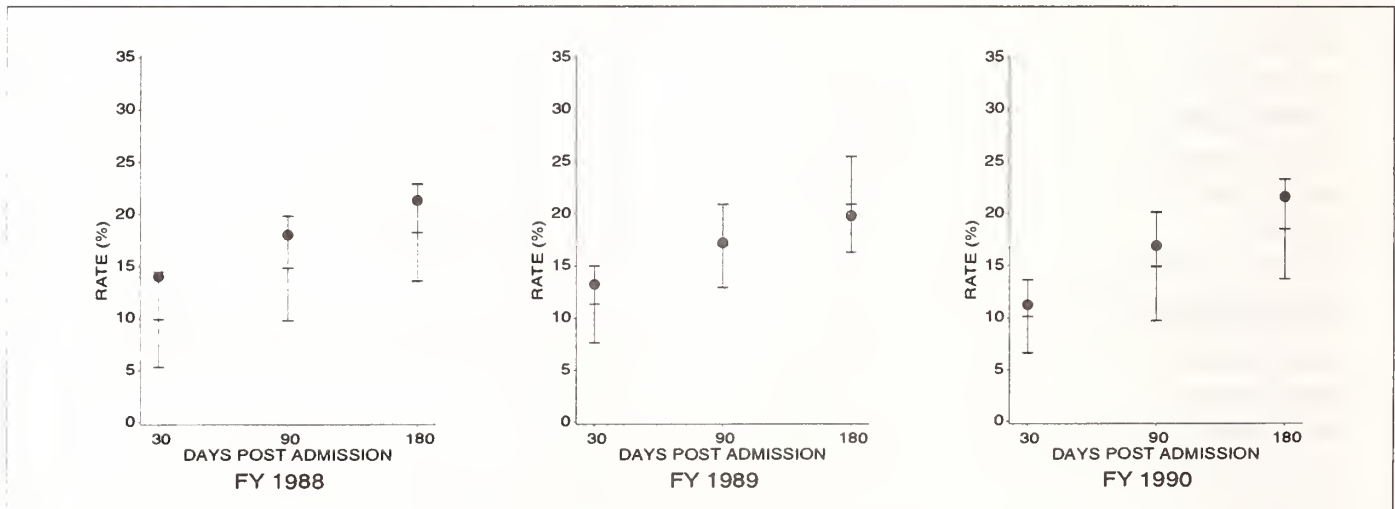
500 WOOSTER ROAD  
MILLERSBURG, OH 44654  
Medicare Provider Number: 360148

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 338             | 11.2                | 10.1 | 1.8  | 16.9    | 14.9 | 2.6  | 21.6     | 18.5 | 2.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 18              | 22.2                | 23.1 | ---- | 38.9    | 26.6 | ---- | 44.4     | 29.6 | ---- |
| Congestive Heart Failure.....              | 20              | 10.0                | 14.0 | ---- | 20.0    | 23.1 | ---- | 25.0     | 29.8 | ---- |
| Pneumonia/Influenza.....                   | 23              | 8.7                 | 13.7 | ---- | 26.1    | 19.0 | ---- | 34.8     | 22.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 33.3                | 3.6  | ---- | 33.3    | 6.9  | ---- | 33.3     | 9.8  | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.1  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.9  | ---- |
| Stroke.....                                | 9               | 11.1                | 17.6 | ---- | 22.2    | 23.4 | ---- | 22.2     | 27.4 | ---- |
| Hip Fracture.....                          | 15              | 6.7                 | 5.6  | ---- | 6.7     | 10.4 | ---- | 6.7      | 13.8 | ---- |
| Sepsis.....                                | 8               | 37.5                | 23.2 | ---- | 37.5    | 30.3 | ---- | 37.5     | 35.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 5.1  | ---- | 0.0     | 10.0 | ---- | 0.0      | 13.6 | ---- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 5.2  | ---- | 9.1     | 9.8  | ---- | 9.1      | 13.2 | ---- |
| Prostatectomy.....                         | 5               | 0.0                 | 0.4  | ---- | 0.0     | 1.0  | ---- | 0.0      | 1.7  | ---- |
| Cholecystectomy.....                       | 5               | 0.0                 | 1.5  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.2  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.2  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# JOEL POMERENE MEMORIAL HOSPITAL

Medicare Provider Number: 360148

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.6 years |
| Proportion female.....        | 54.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 91.1 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 18.3 % |
| Admitted for emergency.....                    | 70.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.6 %  |
| Chronic cardiovascular disease..... | 38.8 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 2.4 %  |
| Chronic pulmonary disease.....      | 11.5 % |
| Cerebrovascular degeneration.....   | 10.7 % |
| Diabetes mellitus.....              | 8.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 65.0%  |
| State .....         | 33.5%  |
| Outside State ..... | 1.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.2 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 55               |
| Occupancy Rate .....       | 36.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 23.8 %           |
| Case Mix Index (CMI) ..... | 1.1559           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 35     |
| Percent of Physicians Board<br>Certified Specialists ..... | 62.9 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses .....                                    | 53     |
| Licensed Practical Nurses .....                            | 13     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# JOINT TOWNSHIP DISTRICT MEM HOSPITAL

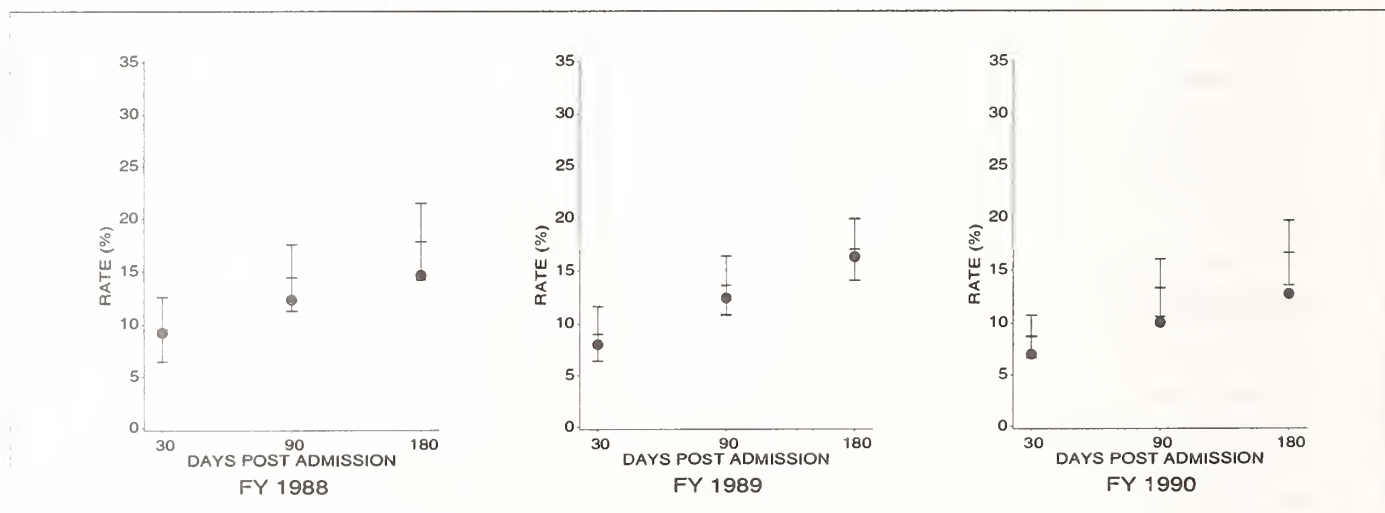
200 ST CLAIR ST  
ST MARYS, OH 45885  
Medicare Provider Number: 360032

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 979                | 7.0                 | 8.7  | 1.0  | 10.0    | 13.3 | 1.4  | 12.7     | 16.6 | 1.5  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 18                 | 27.8                | 28.2 | ---- | 27.8    | 31.2 | ---- | 55.6     | 34.4 | ---- |
| Congestive Heart Failure.....              | 86                 | 8.1                 | 14.8 | 6.4  | 17.4    | 23.0 | 7.4  | 20.9     | 29.0 | 7.8  |
| Pneumonia/Influenza.....                   | 55                 | 20.0                | 16.3 | 5.4  | 20.0    | 22.1 | 5.7  | 25.5     | 25.8 | 7.1  |
| Chronic Obstructive Pulmonary Disease..... | 15                 | 0.0                 | 6.8  | ---- | 6.7     | 12.5 | ---- | 6.7      | 17.2 | ---- |
| Transient Cerebral Ischemia.....           | 36                 | 5.6                 | 1.7  | ---- | 8.3     | 3.7  | ---- | 8.3      | 6.0  | ---- |
| Stroke.....                                | 18                 | 33.3                | 20.9 | ---- | 38.9    | 27.5 | ---- | 38.9     | 31.6 | ---- |
| Hip Fracture.....                          | 56                 | 10.7                | 6.7  | 5.3  | 14.3    | 11.5 | 4.9  | 14.3     | 14.8 | 4.9  |
| Sepsis.....                                | 12                 | 25.0                | 30.2 | ---- | 41.7    | 36.1 | ---- | 50.0     | 40.8 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 8                  | 0.0                 | 1.3  | ---- | 0.0     | 3.0  | ---- | 0.0      | 4.9  | ---- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 1.0  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.7  | ---- |
| Hip Replacement/Reconstruction.....        | 37                 | 10.8                | 3.7  | ---- | 16.2    | 6.8  | ---- | 18.9     | 9.0  | ---- |
| Open Reduction of Hip Fracture.....        | 33                 | 3.0                 | 5.3  | ---- | 6.1     | 9.5  | ---- | 6.1      | 12.4 | ---- |
| Prostatectomy.....                         | 23                 | 0.0                 | 1.6  | ---- | 4.3     | 3.8  | ---- | 4.3      | 6.1  | ---- |
| Cholecystectomy.....                       | 23                 | 4.3                 | 3.3  | ---- | 4.3     | 5.6  | ---- | 4.3      | 7.0  | ---- |
| Hysterectomy.....                          | 8                  | 0.0                 | 0.7  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JOINT TOWNSHIP DISTRICT MEM HOSPITAL

Medicare Provider Number: 360032

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 60.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.2 %  
Transferred from skilled nursing facility..... 4.3 %  
Admitted for elective procedure..... 8.0 %  
Admitted for emergency..... 4.7 %

### COMORBIDITIES:

Cancer..... 5.4 %  
Chronic cardiovascular disease..... 47.1 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 4.1 %  
Chronic pulmonary disease..... 14.2 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 66.7%  
State ..... 31.9%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 94  
Occupancy Rate ..... 66.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 36.3 %  
Case Mix Index (CMI) ..... 1.1394

### STAFFING:

Total Number of Physicians..... 48  
Percent of Physicians Board  
Certified Specialists ..... 60.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 101  
Licensed Practical Nurses ..... 15

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# KAISER FOUNDATION HOSPITAL

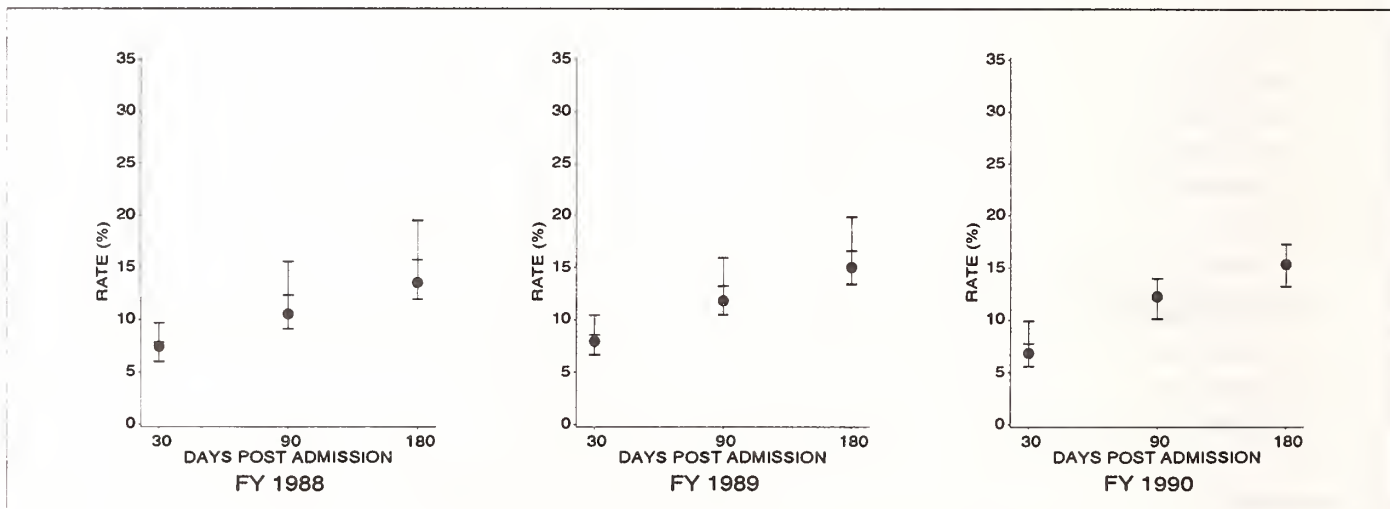
12301 SNOW RD  
PARMA, OH 44130  
Medicare Provider Number: 360232

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1271            | 6.8                 | 7.7  | 1.1  | 12.2    | 12.0 | 1.0  | 15.3     | 15.2 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 46              | 21.7                | 23.7 | ---- | 23.9    | 26.9 | ---- | 23.9     | 29.7 | ---- |
| Congestive Heart Failure.....              | 81              | 7.4                 | 14.1 | 7.1  | 22.2    | 22.5 | 5.3  | 30.9     | 28.9 | 5.3  |
| Pneumonia/Influenza.....                   | 41              | 17.1                | 13.0 | ---- | 22.0    | 18.2 | ---- | 24.4     | 21.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 35              | 5.7                 | 9.3  | ---- | 14.3    | 15.8 | ---- | 20.0     | 20.5 | ---- |
| Transient Cerebral Ischemia.....           | 25              | 4.0                 | 1.7  | ---- | 4.0     | 3.7  | ---- | 4.0      | 5.8  | ---- |
| Stroke.....                                | 43              | 9.3                 | 16.1 | ---- | 14.0    | 20.0 | ---- | 16.3     | 22.9 | ---- |
| Hip Fracture.....                          | 18              | 5.6                 | 4.0  | ---- | 5.6     | 7.0  | ---- | 5.6      | 9.4  | ---- |
| Sepsis.....                                | 9               | 11.1                | 21.6 | ---- | 11.1    | 28.3 | ---- | 22.2     | 32.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 2.5  | ---- | 0.0     | 4.8  | ---- | 0.0      | 6.8  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 20              | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.4  | ---- |
| Open Reduction of Hip Fracture.....        | 10              | 10.0                | 2.9  | ---- | 10.0    | 5.3  | ---- | 10.0     | 7.4  | ---- |
| Prostatectomy.....                         | 50              | 2.0                 | 0.6  | ---- | 2.0     | 1.3  | ---- | 2.0      | 2.3  | ---- |
| Cholecystectomy.....                       | 36              | 2.8                 | 2.0  | ---- | 2.8     | 3.9  | ---- | 2.8      | 5.6  | ---- |
| Hysterectomy.....                          | 18              | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# KAISER FOUNDATION HOSPITAL

Medicare Provider Number: 360232

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.3 years |
| Proportion female.....        | 52.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 34.5 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 20.5 % |
| Admitted for emergency.....                    | 20.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 9.0 %  |
| Chronic cardiovascular disease..... | 34.6 % |
| Chronic liver disease.....          | 1.4 %  |
| Chronic renal disease.....          | 3.5 %  |
| Chronic pulmonary disease.....      | 13.2 % |
| Cerebrovascular degeneration.....   | 3.0 %  |
| Diabetes mellitus.....              | 5.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 90.8%  |
| State .....         | 8.5%   |
| Outside State ..... | 0.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.5 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 82                  |
| Occupancy Rate .....       | 70.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | (Not Available)     |
| Case Mix Index (CMI) ..... | 1.0749              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 81     |
| Percent of Physicians Board<br>Certified Specialists ..... | 79.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 94     |
| Licensed Practical Nurses.....                             | 20     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug.....         | No |
| Rehabilitation.....       | No |
| Psychiatric.....          | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# KETTERING HOSPITAL

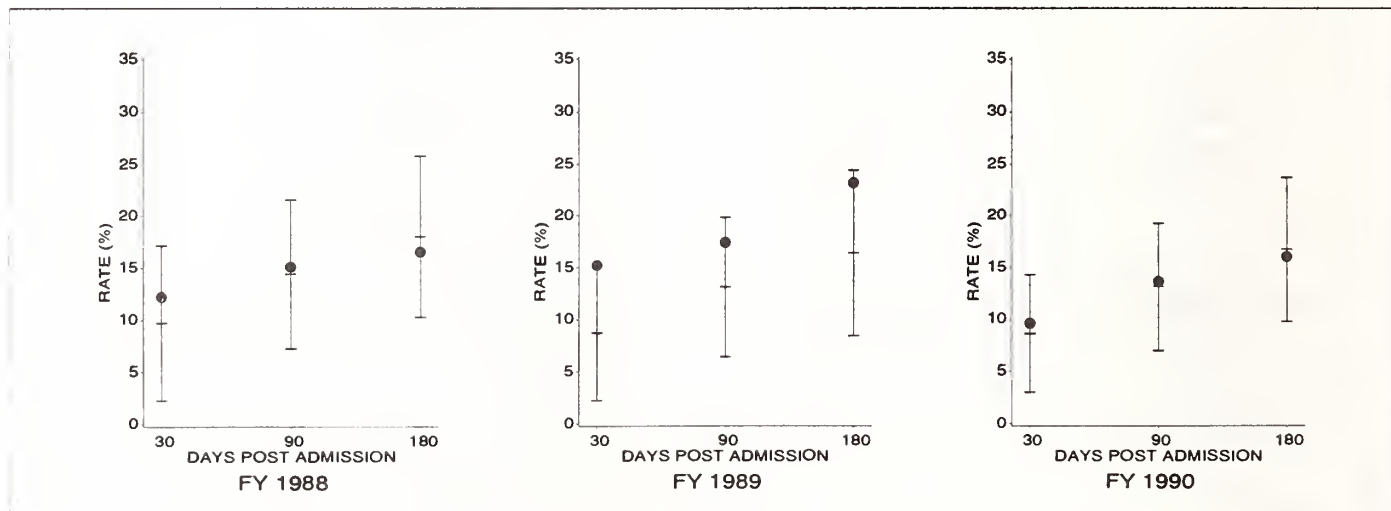
546 N UNION ST  
LOUDONVILLE, OH 44842  
Medicare Provider Number: 360139

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 125             | 9.6                 | 8.6  | 2.8  | 13.6    | 13.1 | 3.1  | 16.0     | 16.7 | 3.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 30.6 | ---- | 33.3    | 33.7 | ---- | 33.3     | 37.5 | ---- |
| Congestive Heart Failure.....              | 15              | 13.3                | 13.0 | ---- | 13.3    | 21.3 | ---- | 13.3     | 27.1 | ---- |
| Pneumonia/Influenza.....                   | 14              | 7.1                 | 17.1 | ---- | 28.6    | 23.4 | ---- | 35.7     | 27.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 50.0                | 6.1  | ---- | 50.0    | 11.8 | ---- | 100.0    | 16.5 | ---- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 4.3  | ---- | 0.0     | 9.6  | ---- | 0.0      | 14.2 | ---- |
| Stroke.....                                | 2               | 0.0                 | 15.9 | ---- | 50.0    | 21.5 | ---- | 50.0     | 25.0 | ---- |
| Hip Fracture.....                          | 7               | 14.3                | 4.8  | ---- | 14.3    | 9.1  | ---- | 14.3     | 12.1 | ---- |
| Sepsis.....                                | 2               | 50.0                | 11.1 | ---- | 50.0    | 15.7 | ---- | 50.0     | 20.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 5.0  | ---- | 0.0     | 9.6  | ---- | 0.0      | 12.5 | ---- |
| Open Reduction of Hip Fracture.....        | 4               | 0.0                 | 3.4  | ---- | 0.0     | 6.7  | ---- | 0.0      | 9.2  | ---- |
| Prostatectomy.....                         | 4               | 0.0                 | 1.1  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.7  | ---- |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KETTERING HOSPITAL

Medicare Provider Number: 360139

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.3 years  
Proportion female..... 53.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 7.2 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 4.8 %  
Chronic cardiovascular disease..... 35.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 4.0 %  
Chronic pulmonary disease..... 12.0 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 65.4%  
State..... 32.4%  
Outside State..... 2.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.7 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 23  
Occupancy Rate..... 17.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 61.3 %  
Case Mix Index (CMI)..... 1.0390

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists.....(Not Available)  
Medical Residents/Interns..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses..... 3

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# KETTERING MEDICAL CENTER

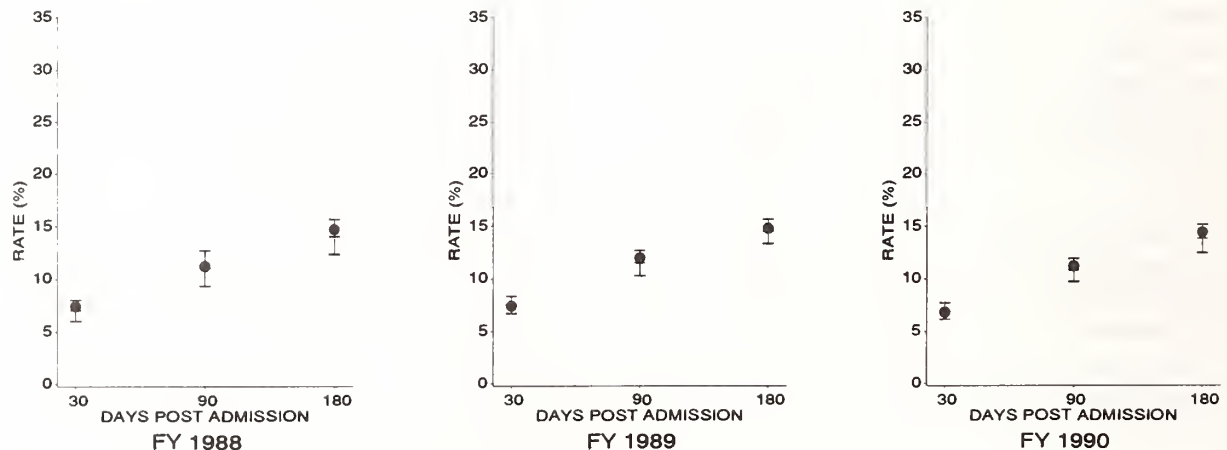
3535 SOUTHERN BOULEVARD  
KETTERING, OH 45429  
Medicare Provider Number: 360079

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4565            | 6.8                 | 6.9  | 0.4   | 11.2    | 10.8 | 0.6   | 14.4     | 13.8 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 106             | 19.8                | 26.2 | 5.4   | 24.5    | 29.3 | 5.1   | 27.4     | 32.0 | 5.3   |
| Congestive Heart Failure.....              | 233             | 11.6                | 13.6 | 2.5   | 23.2    | 21.4 | 2.9   | 30.5     | 27.6 | 3.5   |
| Pneumonia/Influenza.....                   | 121             | 8.3                 | 14.1 | 4.4   | 18.2    | 19.7 | 4.7   | 19.8     | 23.5 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 63              | 7.9                 | 7.7  | 3.4   | 15.9    | 13.1 | 5.4   | 20.6     | 17.2 | 5.2   |
| Transient Cerebral Ischemia.....           | 69              | 2.9                 | 1.7  | 2.5   | 2.9     | 3.9  | 3.4   | 5.8      | 6.5  | 3.0   |
| Stroke.....                                | 157             | 17.2                | 21.3 | 4.9   | 24.2    | 27.5 | 5.4   | 27.4     | 31.3 | 6.1   |
| Hip Fracture.....                          | 111             | 5.4                 | 6.0  | 2.8   | 9.0     | 10.8 | 3.5   | 12.6     | 14.2 | 3.9   |
| Sepsis.....                                | 22              | 40.9                | 26.2 | ----- | 50.0    | 33.9 | ----- | 54.5     | 38.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 115             | 3.5                 | 2.7  | 1.6   | 4.3     | 3.6  | 1.8   | 5.2      | 4.5  | 2.1   |
| Coronary Artery Bypass Graft.....          | 237             | 7.2                 | 4.8  | 2.3   | 10.5    | 6.9  | 3.4   | 12.2     | 7.9  | 3.8   |
| Initial Pacemaker Insertion.....           | 32              | 3.1                 | 3.0  | ----- | 3.1     | 5.6  | ----- | 3.1      | 8.0  | ----- |
| Carotid Endarterectomy.....                | 44              | 0.0                 | 1.2  | ----- | 2.3     | 2.3  | ----- | 4.5      | 3.4  | ----- |
| Hip Replacement/Reconstruction.....        | 97              | 1.0                 | 2.3  | 2.0   | 2.1     | 4.3  | 3.0   | 3.1      | 5.8  | 3.4   |
| Open Reduction of Hip Fracture.....        | 36              | 8.3                 | 5.5  | ----- | 11.1    | 10.3 | ----- | 16.7     | 13.6 | ----- |
| Prostatectomy.....                         | 177             | 1.7                 | 1.0  | 1.2   | 2.8     | 2.2  | 1.2   | 6.2      | 3.7  | 2.5   |
| Cholecystectomy.....                       | 78              | 1.3                 | 2.3  | 2.2   | 1.3     | 4.2  | 3.5   | 1.3      | 5.6  | 4.2   |
| Hysterectomy.....                          | 53              | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# KETTERING MEDICAL CENTER

Medicare Provider Number: 360079

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.8 years

Proportion female..... 54.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.4 %

Transferred from skilled nursing facility..... 1.5 %

Admitted for elective procedure..... 49.2 %

Admitted for emergency..... 8.9 %

### COMORBIDITIES:

Cancer..... 7.7 %

Chronic cardiovascular disease..... 38.6 %

Chronic liver disease..... 0.6 %

Chronic renal disease..... 2.3 %

Chronic pulmonary disease..... 12.3 %

Cerebrovascular degeneration..... 2.8 %

Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 69.6%

State ..... 27.3%

Outside State ..... 3.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.7 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 821

Occupancy Rate ..... 53.0 %

Ownership/Control..... Church

Medicare Discharges ..... 38.0 %

Case Mix Index (CMI) ..... 1.5531

### STAFFING:

Total Number of Physicians..... 362

Percent of Physicians Board  
Certified Specialists..... 89.5 %

Medical Residents/Interns ..... 63

Registered Nurses..... 795

Licensed Practical Nurses ..... 59

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... Yes

Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# KNOX COMMUNITY HOSPITAL

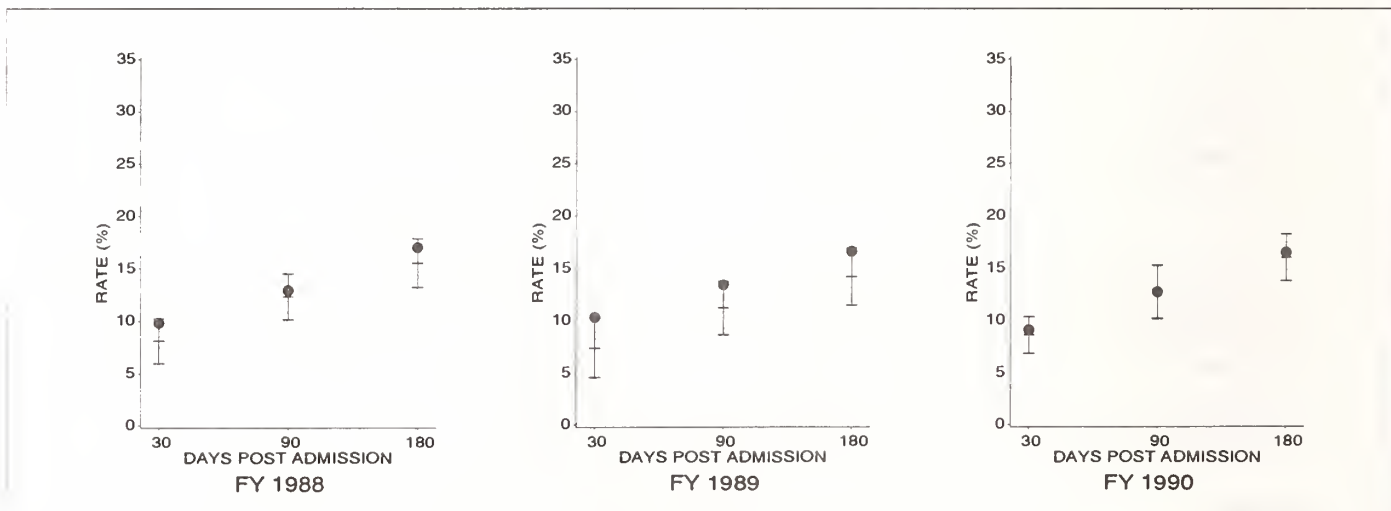
117 E HIGH ST  
MOUNT VERNON, OH 43050  
Medicare Provider Number: 360040

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1209               | 9.1                 | 8.6  | 0.9  | 12.7    | 12.7 | 1.3  | 16.5     | 16.0 | 1.1  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 56                 | 32.1                | 25.0 | 11.4 | 35.7    | 27.8 | 11.3 | 39.3     | 30.6 | 10.2 |
| Congestive Heart Failure.....              | 27                 | 18.5                | 14.1 | ---- | 18.5    | 22.8 | ---- | 33.3     | 28.7 | ---- |
| Pneumonia/Influenza.....                   | 70                 | 15.7                | 14.0 | 4.6  | 18.6    | 18.9 | 4.8  | 22.9     | 22.5 | 5.0  |
| Chronic Obstructive Pulmonary Disease..... | 30                 | 3.3                 | 8.1  | ---- | 10.0    | 13.8 | ---- | 16.7     | 17.8 | ---- |
| Transient Cerebral Ischemia.....           | 15                 | 6.7                 | 1.4  | ---- | 6.7     | 3.1  | ---- | 6.7      | 5.1  | ---- |
| Stroke.....                                | 48                 | 25.0                | 18.5 | ---- | 35.4    | 24.6 | ---- | 43.8     | 28.4 | ---- |
| Hip Fracture.....                          | 40                 | 2.5                 | 6.6  | ---- | 5.0     | 12.0 | ---- | 15.0     | 15.8 | ---- |
| Sepsis.....                                | 12                 | 25.0                | 29.8 | ---- | 25.0    | 38.1 | ---- | 33.3     | 44.1 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 21                 | 0.0                 | 2.7  | ---- | 4.8     | 5.0  | ---- | 9.5      | 7.1  | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 20                 | 5.0                 | 4.3  | ---- | 5.0     | 8.0  | ---- | 15.0     | 10.7 | ---- |
| Open Reduction of Hip Fracture.....        | 21                 | 0.0                 | 5.2  | ---- | 4.8     | 9.5  | ---- | 14.3     | 12.8 | ---- |
| Prostatectomy.....                         | 34                 | 0.0                 | 1.0  | ---- | 0.0     | 2.3  | ---- | 2.9      | 3.9  | ---- |
| Cholecystectomy.....                       | 31                 | 0.0                 | 2.0  | ---- | 0.0     | 3.7  | ---- | 0.0      | 5.0  | ---- |
| Hysterectomy.....                          | 14                 | 0.0                 | 0.3  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KNOX COMMUNITY HOSPITAL

Medicare Provider Number: 360040

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.7 years |
| Proportion female.....        | 55.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 84.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 7.2 %  |
| Admitted for emergency.....                    | 50.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.5 %  |
| Chronic cardiovascular disease..... | 46.4 % |
| Chronic liver disease.....          | 1.3 %  |
| Chronic renal disease.....          | 2.9 %  |
| Chronic pulmonary disease.....      | 19.5 % |
| Cerebrovascular degeneration.....   | 3.8 %  |
| Diabetes mellitus.....              | 8.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 82.9%  |
| State .....         | 15.6%  |
| Outside State ..... | 1.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.2 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 117                 |
| Occupancy Rate .....       | 43.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 42.5 %              |
| Case Mix Index (CMI) ..... | 1.2069              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 46     |
| Percent of Physicians Board<br>Certified Specialists ..... | 52.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 79     |
| Licensed Practical Nurses .....                            | 16     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation .....      | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKE HOSPITAL SYSTEM INC

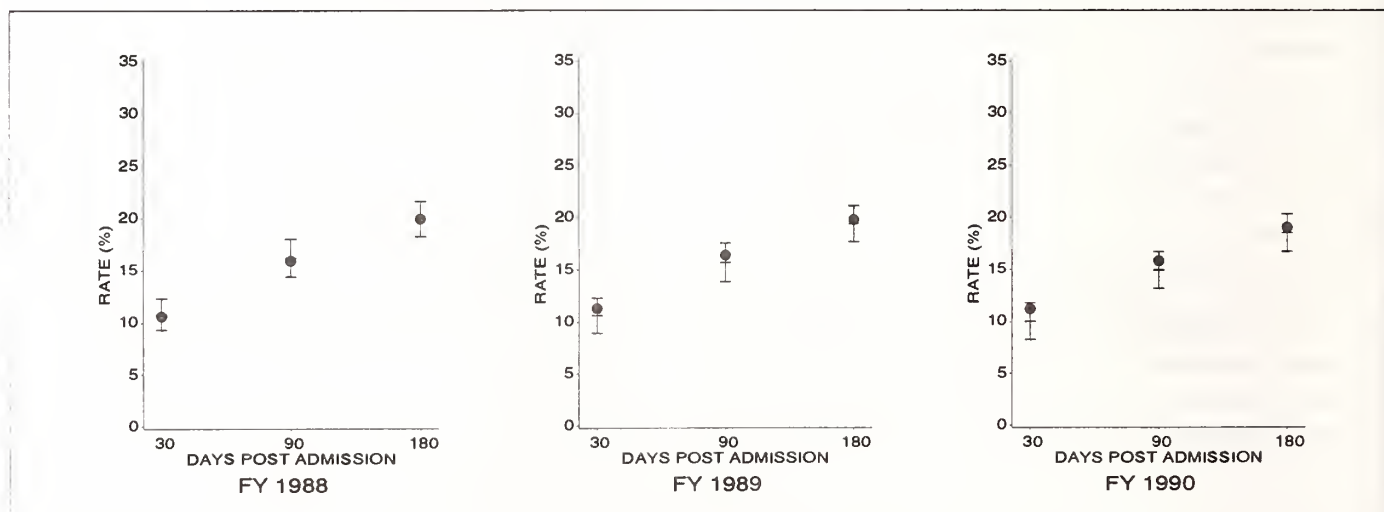
71 E HIGH ST  
PAINESVILLE, OH 44077  
Medicare Provider Number: 360098

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3411            | 11.2                | 10.0 | 0.9  | 15.8    | 14.9 | 0.9  | 19.0     | 18.5 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 106             | 29.2                | 25.3 | 4.6  | 30.2    | 27.6 | 4.9  | 32.1     | 30.0 | 4.6  |
| Congestive Heart Failure.....              | 253             | 16.6                | 14.2 | 4.1  | 25.7    | 22.3 | 4.5  | 30.8     | 28.4 | 5.0  |
| Pneumonia/Influenza.....                   | 149             | 18.1                | 16.1 | 3.7  | 23.5    | 21.8 | 4.3  | 27.5     | 26.0 | 3.8  |
| Chronic Obstructive Pulmonary Disease..... | 93              | 7.5                 | 9.7  | 3.5  | 16.1    | 16.3 | 3.9  | 21.5     | 21.1 | 5.6  |
| Transient Cerebral Ischemia.....           | 52              | 0.0                 | 1.6  | 5.4  | 11.5    | 3.4  | 5.6  | 11.5     | 5.4  | 6.3  |
| Stroke.....                                | 161             | 24.8                | 19.7 | 5.7  | 30.4    | 26.2 | 5.3  | 34.2     | 29.9 | 5.0  |
| Hip Fracture.....                          | 85              | 7.1                 | 6.7  | 3.0  | 9.4     | 11.8 | 4.0  | 14.1     | 15.5 | 4.1  |
| Sepsis.....                                | 39              | 30.8                | 25.5 | ---- | 35.9    | 33.7 | ---- | 35.9     | 38.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 28              | 7.1                 | 3.2  | ---- | 10.7    | 5.9  | ---- | 14.3     | 8.4  | ---- |
| Carotid Endarterectomy.....                | 35              | 2.9                 | 1.8  | ---- | 2.9     | 3.3  | ---- | 2.9      | 4.7  | ---- |
| Hip Replacement/Reconstruction.....        | 56              | 0.0                 | 3.3  | 4.4  | 0.0     | 6.1  | 7.9  | 7.1      | 8.3  | 5.3  |
| Open Reduction of Hip Fracture.....        | 45              | 8.9                 | 6.4  | ---- | 13.3    | 11.6 | ---- | 13.3     | 15.2 | ---- |
| Prostatectomy.....                         | 73              | 0.0                 | 0.9  | 1.5  | 0.0     | 2.2  | 2.8  | 0.0      | 3.7  | 4.4  |
| Cholecystectomy.....                       | 76              | 2.6                 | 2.1  | 2.1  | 3.9     | 3.7  | 2.7  | 6.6      | 4.8  | 3.0  |
| Hysterectomy.....                          | 31              | 0.0                 | 1.2  | ---- | 3.2     | 2.5  | ---- | 3.2      | 3.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LAKE HOSPITAL SYSTEM INC

Medicare Provider Number: 360098

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.2 years |
| Proportion female.....        | 58.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 34.9 % |
| Transferred from skilled nursing facility..... | 1.0 %  |
| Admitted for elective procedure.....           | 9.3 %  |
| Admitted for emergency.....                    | 79.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.4 %  |
| Chronic cardiovascular disease..... | 40.7 % |
| Chronic liver disease.....          | 1.1 %  |
| Chronic renal disease.....          | 2.2 %  |
| Chronic pulmonary disease.....      | 18.0 % |
| Cerebrovascular degeneration.....   | 4.2 %  |
| Diabetes mellitus.....              | 9.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 83.5%  |
| State .....         | 14.1%  |
| Outside State ..... | 2.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.1 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 359                 |
| Occupancy Rate .....       | 49.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 39.0 %              |
| Case Mix Index (CMI) ..... | 1.2967              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 188    |
| Percent of Physicians Board<br>Certified Specialists ..... | 68.6 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 275    |
| Licensed Practical Nurses .....                            | 90     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKEWOOD HOSPITAL

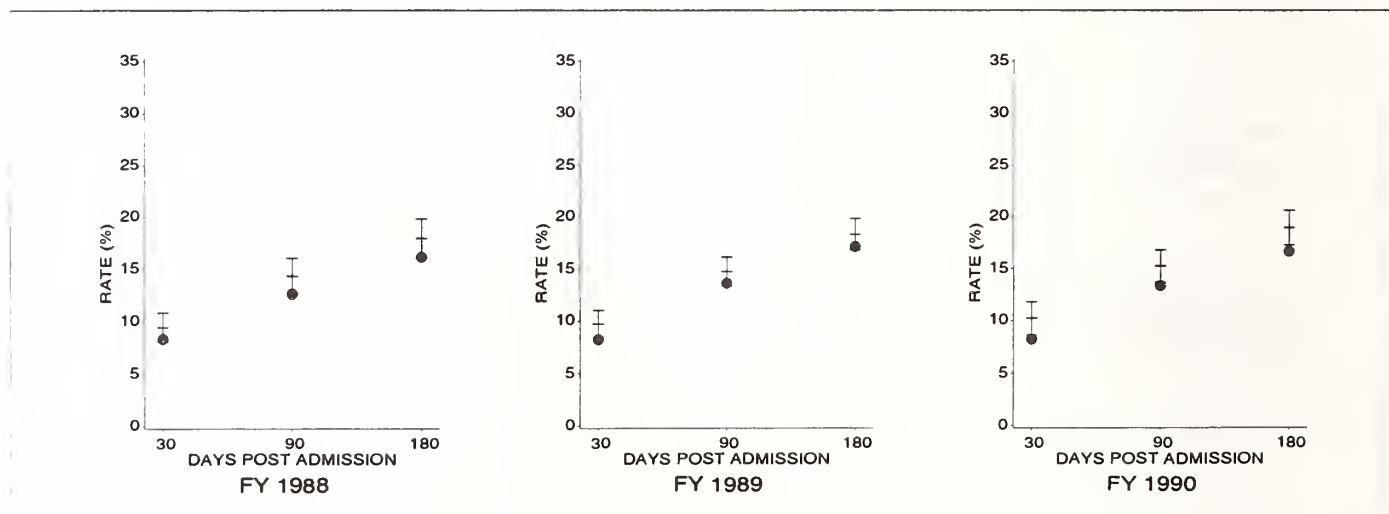
14519 DETROIT AVE  
LAKEWOOD, OH 44107  
Medicare Provider Number: 360212

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3123            | 8.2                 | 10.2 | 0.8  | 13.3    | 15.2 | 0.8  | 16.6     | 18.9 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 90              | 26.7                | 27.1 | 4.7  | 33.3    | 29.9 | 5.1  | 33.3     | 32.6 | 5.1  |
| Congestive Heart Failure.....              | 208             | 14.9                | 15.4 | 2.6  | 23.1    | 24.0 | 3.4  | 29.3     | 30.3 | 3.6  |
| Pneumonia/Influenza.....                   | 91              | 20.9                | 17.9 | 5.5  | 25.3    | 24.4 | 4.8  | 28.6     | 28.9 | 4.9  |
| Chronic Obstructive Pulmonary Disease..... | 110             | 5.5                 | 10.7 | 4.2  | 10.9    | 17.8 | 5.3  | 18.2     | 22.8 | 6.2  |
| Transient Cerebral Ischemia.....           | 44              | 0.0                 | 2.3  | ---- | 4.5     | 5.1  | ---- | 4.5      | 8.4  | ---- |
| Stroke.....                                | 125             | 20.0                | 21.2 | 3.8  | 26.4    | 27.7 | 4.2  | 28.8     | 31.7 | 5.3  |
| Hip Fracture.....                          | 86              | 4.7                 | 9.0  | 4.2  | 9.3     | 15.4 | 6.1  | 10.5     | 19.6 | 7.6  |
| Sepsis.....                                | 32              | 21.9                | 27.9 | ---- | 28.1    | 36.9 | ---- | 28.1     | 42.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 38              | 5.3                 | 3.6  | ---- | 5.3     | 4.4  | ---- | 5.3      | 5.4  | ---- |
| Coronary Artery Bypass Graft.....          | 70              | 4.3                 | 6.0  | 4.7  | 5.7     | 8.3  | 5.6  | 5.7      | 9.3  | 5.8  |
| Initial Pacemaker Insertion.....           | 31              | 3.2                 | 3.2  | ---- | 6.5     | 6.1  | ---- | 6.5      | 8.6  | ---- |
| Carotid Endarterectomy.....                | 31              | 0.0                 | 1.4  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.8  | ---- |
| Hip Replacement/Reconstruction.....        | 84              | 1.2                 | 3.6  | 2.8  | 2.4     | 6.5  | 4.5  | 3.6      | 8.5  | 5.4  |
| Open Reduction of Hip Fracture.....        | 39              | 7.7                 | 9.3  | ---- | 15.4    | 16.4 | ---- | 17.9     | 21.0 | ---- |
| Prostatectomy.....                         | 86              | 1.2                 | 1.7  | 1.6  | 4.7     | 3.8  | 2.5  | 8.1      | 6.1  | 3.2  |
| Cholecystectomy.....                       | 57              | 3.5                 | 3.9  | 3.3  | 8.8     | 7.4  | 3.7  | 10.5     | 10.2 | 4.1  |
| Hysterectomy.....                          | 9               | 0.0                 | 0.6  | ---- | 0.0     | 1.4  | ---- | 11.1     | 2.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAKEWOOD HOSPITAL

Medicare Provider Number: 360212

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 61.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.2 %  
Transferred from skilled nursing facility..... 5.7 %  
Admitted for elective procedure..... 16.1 %  
Admitted for emergency..... 59.7 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 47.8 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 24.6 %  
Cerebrovascular degeneration..... 3.7 %  
Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 93.5%  
State ..... 4.7%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 295  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 56.3 %  
Case Mix Index (CMI) ..... 1.4256

### STAFFING:

Total Number of Physicians..... 139  
Percent of Physicians Board  
Certified Specialists ..... 76.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 347  
Licensed Practical Nurses ..... 62

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# LANCASTER-FAIRFIELD COUNTY HOSPITAL

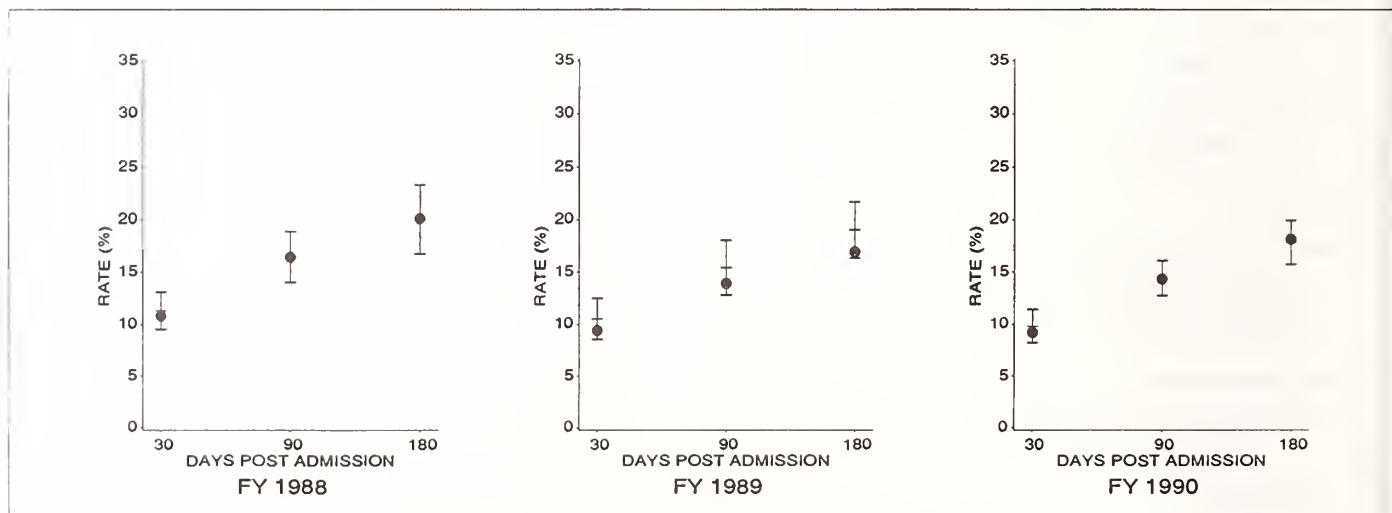
401 N EWING ST  
LANCASTER, OH 43130  
Medicare Provider Number: 360072

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1927            | 9.2                 | 9.8  | 0.8  | 14.3    | 14.4 | 0.8  | 18.1     | 17.8 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 72              | 25.0                | 24.8 | 5.1  | 30.6    | 27.7 | 6.0  | 33.3     | 30.4 | 5.9  |
| Congestive Heart Failure.....              | 130             | 14.6                | 13.3 | 4.7  | 24.6    | 21.0 | 6.3  | 33.1     | 26.7 | 7.8  |
| Pneumonia/Influenza.....                   | 140             | 14.3                | 16.1 | 3.9  | 21.4    | 21.8 | 4.1  | 25.0     | 25.7 | 3.8  |
| Chronic Obstructive Pulmonary Disease..... | 23              | 17.4                | 8.9  | ---- | 21.7    | 15.5 | ---- | 39.1     | 20.1 | ---- |
| Transient Cerebral Ischemia.....           | 18              | 0.0                 | 2.7  | ---- | 11.1    | 6.1  | ---- | 11.1     | 9.9  | ---- |
| Stroke.....                                | 75              | 20.0                | 21.6 | 4.8  | 25.3    | 28.3 | 5.9  | 36.0     | 32.2 | 5.8  |
| Hip Fracture.....                          | 85              | 7.1                 | 6.1  | 2.8  | 11.8    | 10.9 | 3.6  | 14.1     | 14.1 | 3.9  |
| Sepsis.....                                | 25              | 8.0                 | 24.1 | ---- | 16.0    | 33.5 | ---- | 20.0     | 38.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 12              | 8.3                 | 2.9  | ---- | 25.0    | 4.9  | ---- | 25.0     | 6.9  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 46              | 8.7                 | 3.3  | ---- | 15.2    | 6.3  | ---- | 17.4     | 8.4  | ---- |
| Open Reduction of Hip Fracture.....        | 45              | 4.4                 | 5.5  | ---- | 8.9     | 9.8  | ---- | 11.1     | 12.9 | ---- |
| Prostatectomy.....                         | 70              | 1.4                 | 0.7  | 1.2  | 2.9     | 1.6  | 1.9  | 4.3      | 2.8  | 3.0  |
| Cholecystectomy.....                       | 43              | 0.0                 | 2.1  | ---- | 2.3     | 4.0  | ---- | 2.3      | 5.3  | ---- |
| Hysterectomy.....                          | 24              | 0.0                 | 0.3  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LANCASTER-FAIRFIELD COUNTY HOSPITAL

Medicare Provider Number: 360072

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years  
Proportion female..... 59.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 32.3 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 12.6 %  
Admitted for emergency..... 68.1 %

### COMORBIDITIES:

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 46.4 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 22.0 %  
Cerebrovascular degeneration..... 4.9 %  
Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 82.9 %  
State..... 15.8 %  
Outside State..... 1.3 %  
Total..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.2 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 195  
Occupancy Rate..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 35.9 %  
Case Mix Index (CMI)..... 1.2376

### STAFFING:

Total Number of Physicians..... 72  
Percent of Physicians Board  
Certified Specialists..... 79.2 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 179  
Licensed Practical Nurses..... 17

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAWRENCE COUNTY GENERAL HOSPITAL

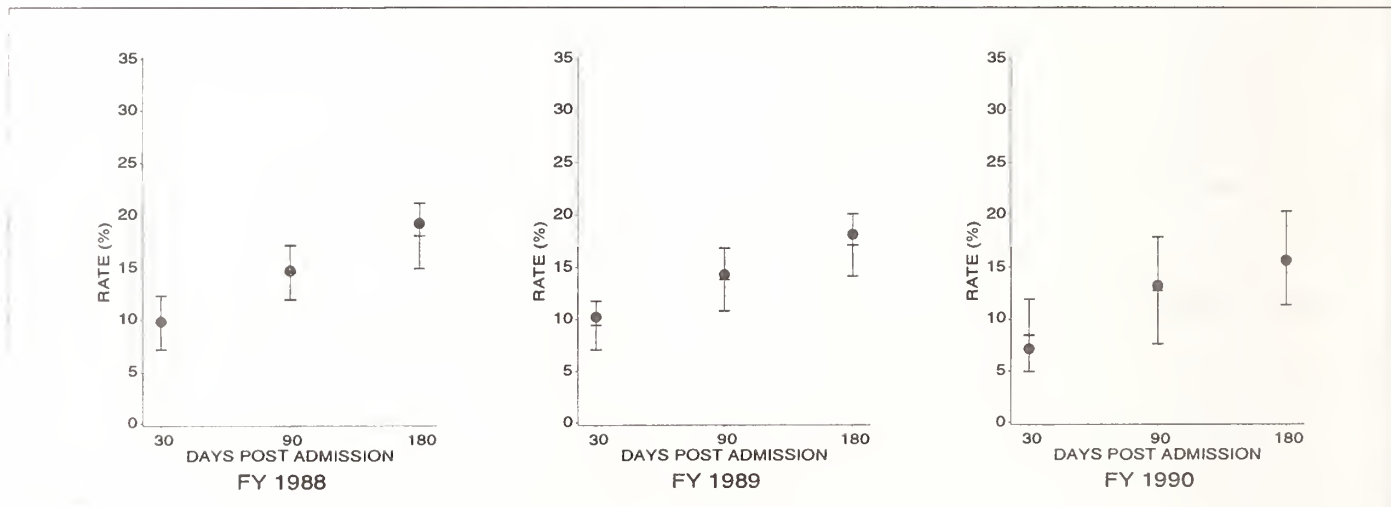
2228 S NINTH ST  
 IRONTON, OH 45638  
 Medicare Provider Number: 360007

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 706                | 7.1                 | 8.4  | 1.7  | 13.2    | 12.7 | 2.6  | 15.6     | 15.8 | 2.2  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 44                 | 15.9                | 17.8 | ---- | 27.3    | 20.8 | ---- | 29.5     | 23.7 | ---- |
| Congestive Heart Failure.....              | 43                 | 18.6                | 15.7 | ---- | 30.2    | 24.1 | ---- | 34.9     | 29.8 | ---- |
| Pneumonia/Influenza.....                   | 24                 | 8.3                 | 16.3 | ---- | 16.7    | 22.1 | ---- | 16.7     | 25.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 14                 | 7.1                 | 3.4  | ---- | 14.3    | 6.5  | ---- | 14.3     | 9.5  | ---- |
| Transient Cerebral Ischemia.....           | 18                 | 5.6                 | 1.7  | ---- | 16.7    | 3.7  | ---- | 16.7     | 5.9  | ---- |
| Stroke.....                                | 17                 | 11.8                | 13.5 | ---- | 17.6    | 19.5 | ---- | 17.6     | 23.0 | ---- |
| Hip Fracture.....                          | 12                 | 0.0                 | 6.6  | ---- | 8.3     | 11.8 | ---- | 8.3      | 15.4 | ---- |
| Sepsis.....                                | 10                 | 20.0                | 26.7 | ---- | 20.0    | 32.2 | ---- | 20.0     | 36.3 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 15                 | 0.0                 | 2.8  | ---- | 0.0     | 5.3  | ---- | 0.0      | 7.4  | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 8                  | 0.0                 | 6.0  | ---- | 0.0     | 10.7 | ---- | 0.0      | 13.8 | ---- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 5.6  | ---- | 20.0    | 10.7 | ---- | 20.0     | 14.8 | ---- |
| Prostatectomy.....                         | 9                  | 0.0                 | 1.3  | ---- | 0.0     | 3.3  | ---- | 0.0      | 5.7  | ---- |
| Cholecystectomy.....                       | 13                 | 0.0                 | 2.2  | ---- | 0.0     | 3.6  | ---- | 0.0      | 4.8  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$ 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LAWRENCE COUNTY GENERAL HOSPITAL

Medicare Provider Number: 360007

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.2 years  
Proportion female..... 60.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 1.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 5.1 %  
Admitted for emergency..... 7.4 %

### COMORBIDITIES:

Cancer..... 3.1 %  
Chronic cardiovascular disease..... 43.1 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 19.2 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 91.3%  
State ..... 5.0%  
Outside State ..... 3.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 198  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 1.1101

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 0  
Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LICKING MEMORIAL HOSPITAL

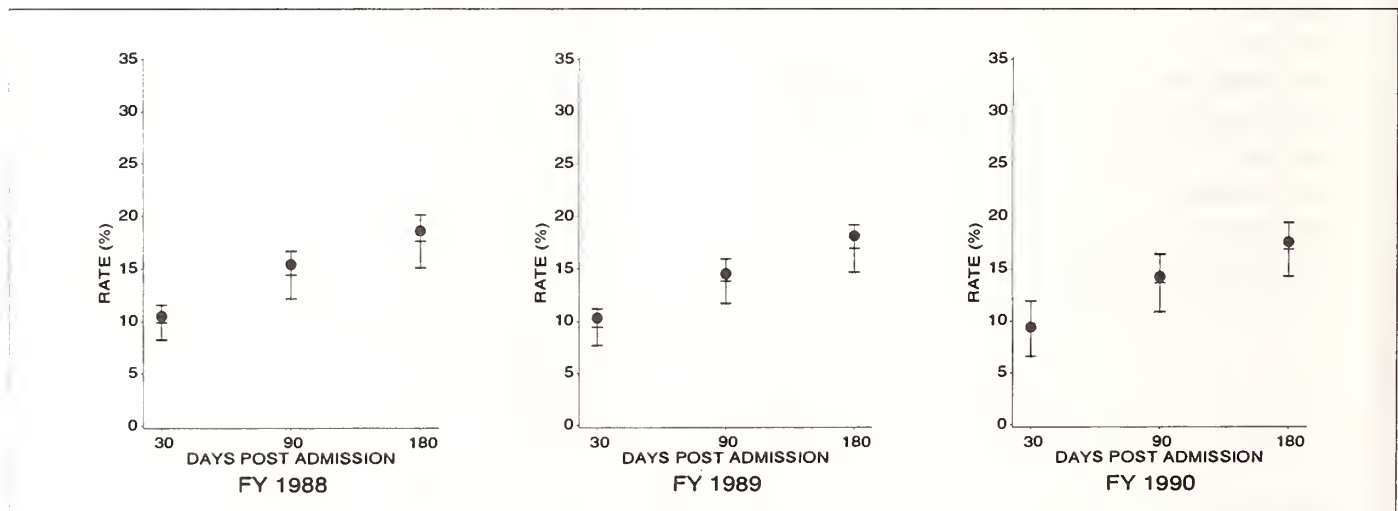
1320 W MAIN ST  
NEWARK, OH 43055  
Medicare Provider Number: 360218

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2077            | 9.4                 | 9.2  | 1.3   | 14.2    | 13.6 | 1.4   | 17.5     | 16.8 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 63              | 42.9                | 26.4 | 9.1   | 44.4    | 28.9 | 9.1   | 47.6     | 31.4 | 9.0   |
| Congestive Heart Failure.....              | 111             | 10.8                | 13.2 | 3.8   | 19.8    | 20.9 | 4.0   | 25.2     | 26.7 | 4.9   |
| Pneumonia/Influenza.....                   | 79              | 15.2                | 15.4 | 4.6   | 20.3    | 20.6 | 4.6   | 26.6     | 24.1 | 5.6   |
| Chronic Obstructive Pulmonary Disease..... | 38              | 5.3                 | 6.6  | ----- | 13.2    | 11.9 | ----- | 21.1     | 15.9 | ----- |
| Transient Cerebral Ischemia.....           | 36              | 2.8                 | 1.5  | ----- | 8.3     | 3.4  | ----- | 8.3      | 5.4  | ----- |
| Stroke.....                                | 83              | 19.3                | 19.4 | 5.9   | 32.5    | 25.9 | 8.7   | 33.7     | 29.7 | 9.8   |
| Hip Fracture.....                          | 89              | 11.2                | 7.0  | 3.4   | 12.4    | 12.2 | 3.5   | 13.5     | 15.8 | 4.2   |
| Sepsis.....                                | 18              | 11.1                | 29.3 | ----- | 22.2    | 36.3 | ----- | 22.2     | 40.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 20              | 5.0                 | 2.3  | ----- | 10.0    | 4.4  | ----- | 10.0     | 6.6  | ----- |
| Carotid Endarterectomy.....                | 15              | 6.7                 | 1.2  | ----- | 6.7     | 2.2  | ----- | 6.7      | 3.3  | ----- |
| Hip Replacement/Reconstruction.....        | 51              | 3.9                 | 4.1  | 2.9   | 5.9     | 7.6  | 4.6   | 5.9      | 10.2 | 6.5   |
| Open Reduction of Hip Fracture.....        | 54              | 13.0                | 6.1  | 4.2   | 13.0    | 10.7 | 4.3   | 14.8     | 13.9 | 5.0   |
| Prostatectomy.....                         | 92              | 1.1                 | 0.8  | 1.5   | 3.3     | 2.1  | 2.3   | 5.4      | 3.6  | 3.0   |
| Cholecystectomy.....                       | 64              | 1.6                 | 1.7  | 1.6   | 1.6     | 2.8  | 2.4   | 6.3      | 3.7  | 3.2   |
| Hysterectomy.....                          | 19              | 0.0                 | 0.6  | ----- | 5.3     | 1.4  | ----- | 5.3      | 2.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LICKING MEMORIAL HOSPITAL

Medicare Provider Number: 360218

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years

Proportion female..... 58.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.0 %

Transferred from skilled nursing facility..... 1.3 %

Admitted for elective procedure..... 23.1 %

Admitted for emergency..... 52.5 %

### COMORBIDITIES:

Cancer..... 8.1 %

Chronic cardiovascular disease..... 39.1 %

Chronic liver disease..... 1.1 %

Chronic renal disease..... 2.1 %

Chronic pulmonary disease..... 19.0 %

Cerebrovascular degeneration..... 3.7 %

Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.3%

State ..... 12.0%

Outside State ..... 1.7%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 192

Occupancy Rate ..... 59.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 36.3 %

Case Mix Index (CMI) ..... 1.2894

### STAFFING:

Total Number of Physicians..... 106

Percent of Physicians Board  
Certified Specialists ..... 57.5 %

Medical Residents/Interns ..... 0

Registered Nurses ..... 235

Licensed Practical Nurses ..... 27

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LIMA MEMORIAL HOSPITAL

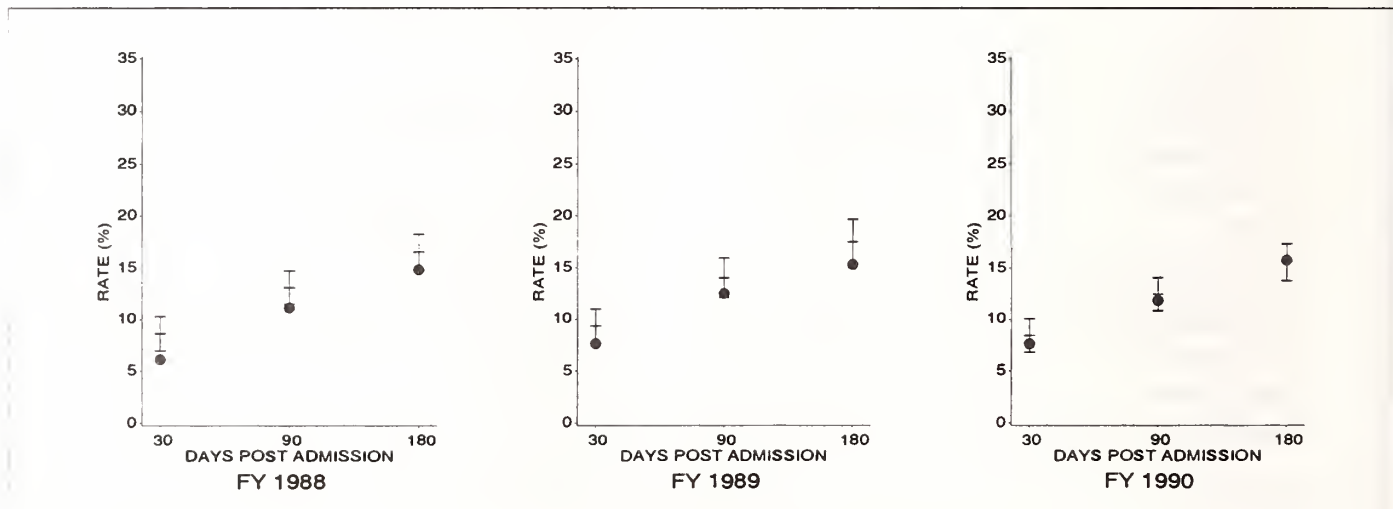
1001 BELLEFONTAINE AVENUE  
LIMA, OH 45804  
Medicare Provider Number: 360009

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2073            | 7.6                 | 8.4  | 0.8   | 11.8    | 12.4 | 0.8   | 15.7     | 15.5 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 65              | 29.2                | 31.4 | 7.0   | 35.4    | 34.1 | 7.2   | 40.0     | 36.9 | 6.8   |
| Congestive Heart Failure.....              | 132             | 11.4                | 15.5 | 4.7   | 18.9    | 24.0 | 4.5   | 26.5     | 30.0 | 4.4   |
| Pneumonia/Influenza.....                   | 79              | 17.7                | 16.6 | 5.3   | 22.8    | 22.3 | 5.6   | 26.6     | 26.4 | 5.3   |
| Chronic Obstructive Pulmonary Disease..... | 35              | 5.7                 | 5.9  | ----- | 20.0    | 10.5 | ----- | 20.0     | 14.3 | ----- |
| Transient Cerebral Ischemia.....           | 37              | 0.0                 | 1.8  | ----- | 2.7     | 4.1  | ----- | 5.4      | 6.5  | ----- |
| Stroke.....                                | 77              | 26.0                | 24.0 | 5.2   | 31.2    | 30.8 | 5.6   | 36.4     | 34.7 | 6.6   |
| Hip Fracture.....                          | 74              | 5.4                 | 6.5  | 4.1   | 8.1     | 11.0 | 6.2   | 9.5      | 14.2 | 7.9   |
| Sepsis.....                                | 17              | 23.5                | 28.7 | ----- | 23.5    | 39.1 | ----- | 29.4     | 44.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 12              | 0.0                 | 2.5  | ----- | 0.0     | 4.6  | ----- | 25.0     | 6.7  | ----- |
| Carotid Endarterectomy.....                | 30              | 3.3                 | 1.6  | ----- | 6.7     | 3.0  | ----- | 13.3     | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 57              | 3.5                 | 2.8  | 2.6   | 3.5     | 5.2  | 3.8   | 3.5      | 7.1  | 4.9   |
| Open Reduction of Hip Fracture.....        | 38              | 2.6                 | 6.0  | ----- | 7.9     | 10.7 | ----- | 10.5     | 14.0 | ----- |
| Prostatectomy.....                         | 36              | 2.8                 | 0.6  | ----- | 2.8     | 1.2  | ----- | 2.8      | 2.1  | ----- |
| Cholecystectomy.....                       | 32              | 0.0                 | 2.9  | ----- | 3.1     | 4.9  | ----- | 3.1      | 6.1  | ----- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LIMA MEMORIAL HOSPITAL

Medicare Provider Number: 360009

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
Proportion female..... 57.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.7 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 16.9 %  
Admitted for emergency..... 58.2 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 38.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 4.2 %  
Chronic pulmonary disease..... 16.1 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 60.9%  
State ..... 37.7%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.2 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 189  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 44.4 %  
Case Mix Index (CMI) ..... 1.2288

### STAFFING:

Total Number of Physicians..... 131  
Percent of Physicians Board  
Certified Specialists ..... 72.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 287  
Licensed Practical Nurses ..... 38

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LODI COMMUNITY HOSPITAL

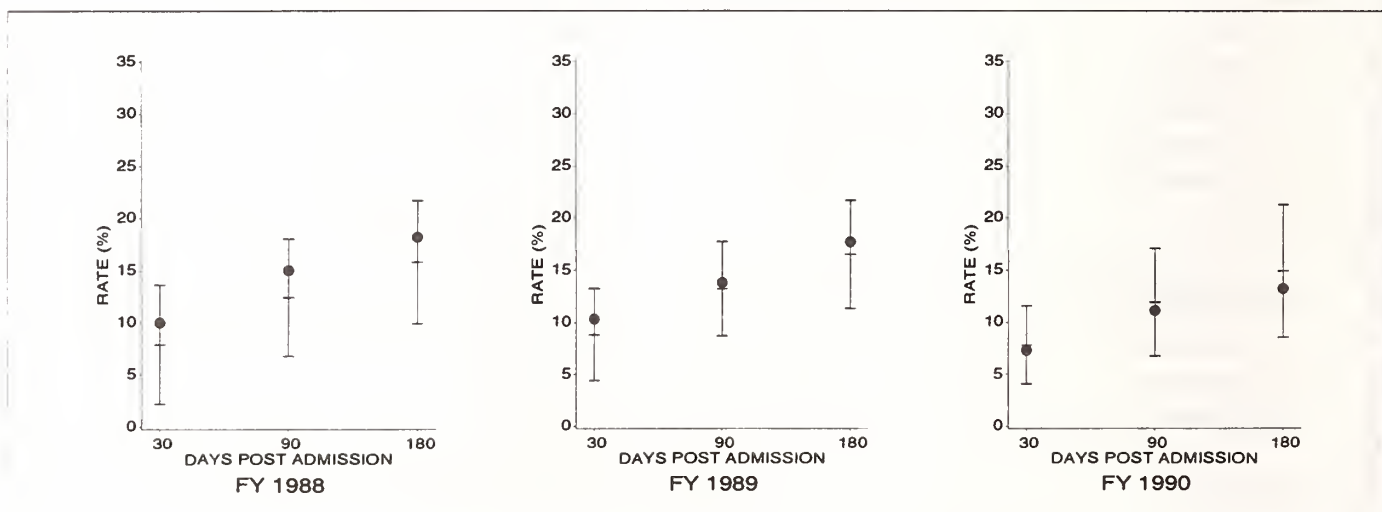
225 ELYRIA ST  
LODI, OH 44254  
Medicare Provider Number: 360188

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 234                | 7.3                 | 7.8  | 1.9  | 11.1    | 11.9 | 2.6  | 13.2     | 14.9 | 3.2  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 13                 | 15.4                | 20.8 | ---- | 15.4    | 23.4 | ---- | 15.4     | 25.9 | ---- |
| Congestive Heart Failure.....              | 23                 | 4.3                 | 12.0 | ---- | 13.0    | 19.1 | ---- | 17.4     | 24.6 | ---- |
| Pneumonia/Influenza.....                   | 9                  | 22.2                | 11.3 | ---- | 22.2    | 16.3 | ---- | 22.2     | 19.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 11                 | 0.0                 | 6.9  | ---- | 18.2    | 12.7 | ---- | 18.2     | 17.2 | ---- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 1.8  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.7  | ---- |
| Stroke.....                                | 8                  | 25.0                | 18.2 | ---- | 37.5    | 26.8 | ---- | 37.5     | 31.1 | ---- |
| Hip Fracture.....                          | 2                  | 0.0                 | 3.0  | ---- | 0.0     | 5.6  | ---- | 0.0      | 7.9  | ---- |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 1                  | 0.0                 | 3.0  | ---- | 0.0     | 6.4  | ---- | 0.0      | 9.5  | ---- |
| Open Reduction of Hip Fracture.....        | 1                  | 0.0                 | 2.5  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.7  | ---- |
| Prostatectomy.....                         | 3                  | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.4  | ---- |
| Cholecystectomy.....                       | 5                  | 0.0                 | 1.1  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.3  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LODI COMMUNITY HOSPITAL

Medicare Provider Number: 360188

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 52.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 7.7 %  
Admitted for emergency..... 31.6 %

### COMORBIDITIES:

Cancer..... 4.3 %  
Chronic cardiovascular disease..... 35.5 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 18.4 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.9%  
State ..... 29.8%  
Outside State ..... 2.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 30  
Occupancy Rate ..... 33.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 52.7 %  
Case Mix Index (CMI) ..... 1.0142

### STAFFING:

Total Number of Physicians..... 21  
Percent of Physicians Board  
Certified Specialists ..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 19  
Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LORAIN COMMUNITY HOSPITAL

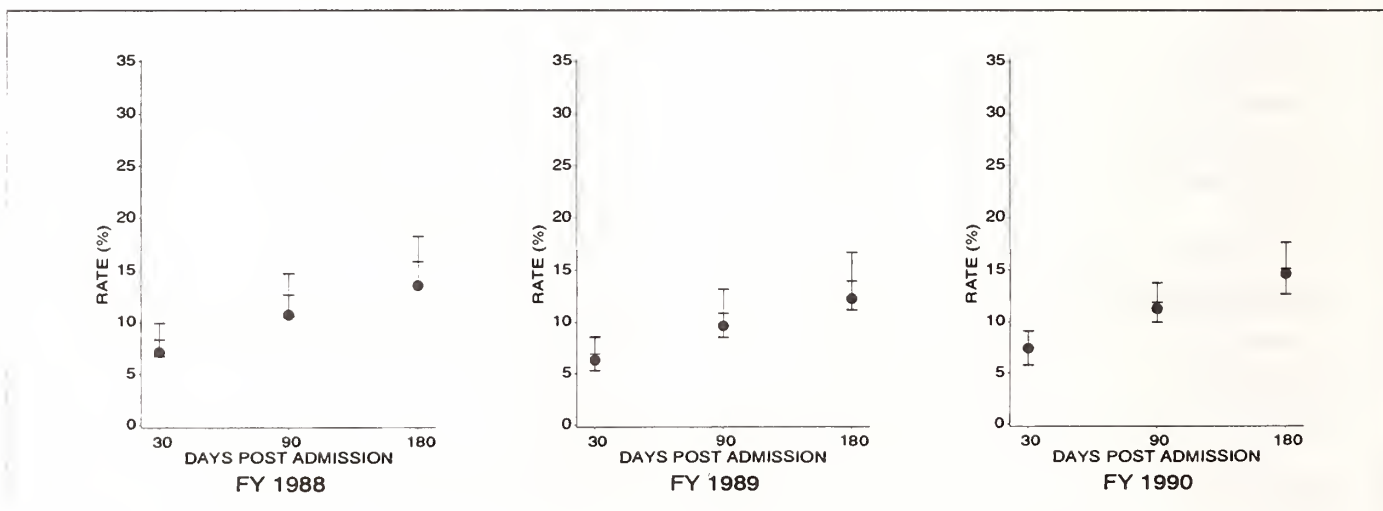
3700 KOLBE ROAD  
LORAIN, OH 44052  
Medicare Provider Number: 360172

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1591            | 7.4                 | 7.4  | 0.8   | 11.2    | 11.8 | 0.9   | 14.6     | 15.1 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 36              | 13.9                | 24.9 | ----- | 16.7    | 28.5 | ----- | 19.4     | 31.5 | ----- |
| Congestive Heart Failure.....              | 96              | 12.5                | 12.3 | 3.4   | 18.8    | 20.0 | 4.7   | 24.0     | 25.7 | 5.8   |
| Pneumonia/Influenza.....                   | 51              | 11.8                | 12.8 | 6.8   | 13.7    | 17.6 | 7.3   | 17.6     | 20.8 | 7.3   |
| Chronic Obstructive Pulmonary Disease..... | 47              | 6.4                 | 8.5  | ----- | 14.9    | 14.3 | ----- | 17.0     | 18.4 | ----- |
| Transient Cerebral Ischemia.....           | 26              | 3.8                 | 2.1  | ----- | 3.8     | 4.4  | ----- | 3.8      | 6.7  | ----- |
| Stroke.....                                | 66              | 12.1                | 17.3 | 8.3   | 21.2    | 23.6 | 7.0   | 22.7     | 27.5 | 7.1   |
| Hip Fracture.....                          | 36              | 2.8                 | 6.9  | ----- | 11.1    | 11.8 | ----- | 13.9     | 15.2 | ----- |
| Sepsis.....                                | 10              | 30.0                | 22.2 | ----- | 30.0    | 29.1 | ----- | 40.0     | 32.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 3.7  | ----- | 0.0     | 7.8  | ----- | 25.0     | 11.2 | ----- |
| Carotid Endarterectomy.....                | 20              | 0.0                 | 2.1  | ----- | 0.0     | 3.8  | ----- | 0.0      | 5.5  | ----- |
| Hip Replacement/Reconstruction.....        | 49              | 0.0                 | 2.0  | ----- | 0.0     | 3.6  | ----- | 2.0      | 4.9  | ----- |
| Open Reduction of Hip Fracture.....        | 19              | 5.3                 | 6.8  | ----- | 21.1    | 11.8 | ----- | 21.1     | 15.2 | ----- |
| Prostatectomy.....                         | 42              | 0.0                 | 1.1  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.1  | ----- |
| Cholecystectomy.....                       | 31              | 6.5                 | 3.3  | ----- | 9.7     | 6.3  | ----- | 16.1     | 8.6  | ----- |
| Hysterectomy.....                          | 12              | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 8.3      | 2.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LORAIN COMMUNITY HOSPITAL

Medicare Provider Number: 360172

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.8 years  
Proportion female..... 54.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.7 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 26.7 %  
Admitted for emergency..... 72.6 %

### COMORBIDITIES:

Cancer..... 8.2 %  
Chronic cardiovascular disease..... 38.4 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 20.2 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 10.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 78.0%  
State ..... 19.2%  
Outside State ..... 2.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 264  
Occupancy Rate ..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 40.3 %  
Case Mix Index (CMI) ..... 1.2959

### STAFFING:

Total Number of Physicians..... 120  
Percent of Physicians Board  
Certified Specialists ..... 83.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 199  
Licensed Practical Nurses ..... 50

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LUTHERAN MEDICAL CENTER

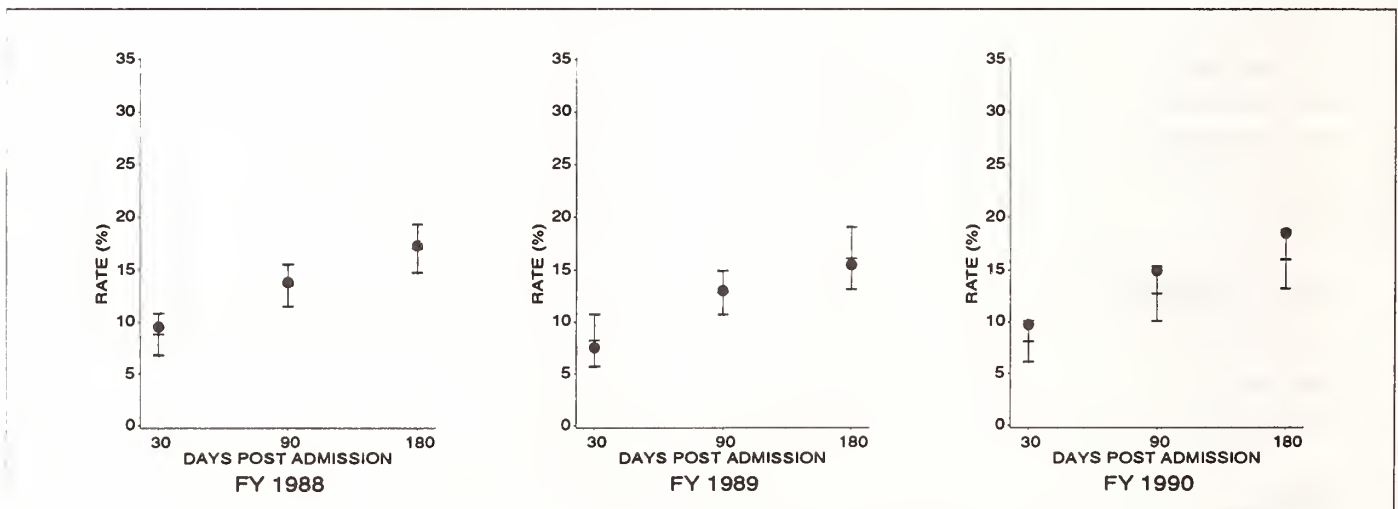
2609 FRANKLIN BLVD  
CLEVELAND, OH 44113  
Medicare Provider Number: 360087

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1284            | 9.7                 | 8.1  | 1.0   | 14.9    | 12.7 | 1.3   | 18.5     | 16.0 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16              | 50.0                | 27.7 | ----- | 50.0    | 30.6 | ----- | 50.0     | 33.0 | ----- |
| Congestive Heart Failure.....              | 71              | 12.7                | 14.7 | 5.9   | 21.1    | 23.0 | 5.2   | 29.6     | 29.2 | 5.5   |
| Pneumonia/Influenza.....                   | 40              | 17.5                | 15.1 | ----- | 25.0    | 20.6 | ----- | 35.0     | 25.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 38              | 13.2                | 11.0 | ----- | 23.7    | 18.8 | ----- | 31.6     | 24.4 | ----- |
| Transient Cerebral Ischemia.....           | 25              | 4.0                 | 1.9  | ----- | 4.0     | 4.1  | ----- | 4.0      | 6.4  | ----- |
| Stroke.....                                | 24              | 25.0                | 18.3 | ----- | 29.2    | 24.8 | ----- | 37.5     | 28.8 | ----- |
| Hip Fracture.....                          | 38              | 13.2                | 7.0  | ----- | 15.8    | 12.2 | ----- | 18.4     | 15.7 | ----- |
| Sepsis.....                                | 15              | 26.7                | 24.5 | ----- | 33.3    | 33.6 | ----- | 40.0     | 38.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8               | 12.5                | 6.5  | ----- | 12.5    | 11.7 | ----- | 25.0     | 16.3 | ----- |
| Carotid Endarterectomy.....                | 16              | 0.0                 | 1.7  | ----- | 0.0     | 3.0  | ----- | 6.3      | 4.2  | ----- |
| Hip Replacement/Reconstruction.....        | 38              | 2.6                 | 2.6  | ----- | 2.6     | 4.6  | ----- | 7.9      | 6.1  | ----- |
| Open Reduction of Hip Fracture.....        | 21              | 14.3                | 6.4  | ----- | 14.3    | 11.4 | ----- | 14.3     | 15.0 | ----- |
| Prostatectomy.....                         | 42              | 0.0                 | 0.8  | ----- | 2.4     | 1.8  | ----- | 2.4      | 3.1  | ----- |
| Cholecystectomy.....                       | 17              | 0.0                 | 3.4  | ----- | 11.8    | 5.3  | ----- | 11.8     | 6.5  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LUTHERAN MEDICAL CENTER

Medicare Provider Number: 360087

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.5 years |
| Proportion female.....        | 59.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 50.6 % |
| Transferred from skilled nursing facility..... | 0.7 %  |
| Admitted for elective procedure.....           | 29.6 % |
| Admitted for emergency.....                    | 46.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.8 %  |
| Chronic cardiovascular disease..... | 41.1 % |
| Chronic liver disease.....          | 1.3 %  |
| Chronic renal disease.....          | 3.6 %  |
| Chronic pulmonary disease.....      | 12.5 % |
| Cerebrovascular degeneration.....   | 5.1 %  |
| Diabetes mellitus.....              | 9.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.7%  |
| State .....         | 10.4%  |
| Outside State ..... | 2.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.3 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 216                 |
| Occupancy Rate .....       | 50.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 47.1 %              |
| Case Mix Index (CMI) ..... | 1.2962              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 96     |
| Percent of Physicians Board<br>Certified Specialists ..... | 62.5 % |
| Medical Residents/Interns .....                            | 27     |
| Registered Nurses.....                                     | 168    |
| Licensed Practical Nurses .....                            | 41     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MADISON COUNTY HOSPITAL INC

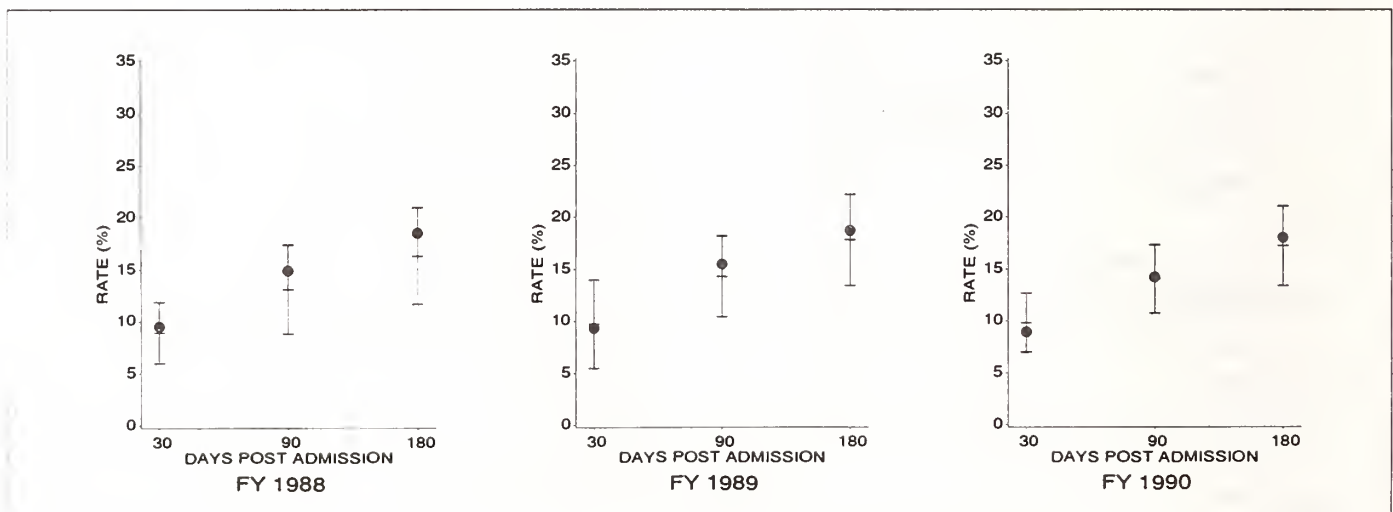
210 NORTH MAIN STREET  
LONDON, OH 43140  
Medicare Provider Number: 360189

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 471                | 8.9                 | 9.8  | 1.4   | 14.2    | 14.0 | 1.6   | 18.0     | 17.2 | 1.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19                 | 21.1                | 28.0 | ----- | 26.3    | 31.0 | ----- | 36.8     | 33.5 | ----- |
| Congestive Heart Failure.....              | 35                 | 11.4                | 13.6 | ----- | 25.7    | 21.1 | ----- | 28.6     | 27.1 | ----- |
| Pneumonia/Influenza.....                   | 42                 | 14.3                | 14.4 | ----- | 19.0    | 19.8 | ----- | 28.6     | 23.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6                  | 16.7                | 9.1  | ----- | 16.7    | 15.7 | ----- | 16.7     | 20.4 | ----- |
| Transient Cerebral Ischemia.....           | 15                 | 13.3                | 1.7  | ----- | 13.3    | 3.9  | ----- | 20.0     | 6.4  | ----- |
| Stroke.....                                | 18                 | 22.2                | 17.7 | ----- | 22.2    | 22.9 | ----- | 27.8     | 26.3 | ----- |
| Hip Fracture.....                          | 11                 | 0.0                 | 5.2  | ----- | 0.0     | 9.4  | ----- | 0.0      | 12.6 | ----- |
| Sepsis.....                                | 6                  | 16.7                | 37.5 | ----- | 16.7    | 44.5 | ----- | 16.7     | 48.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 5                  | 0.0                 | 4.4  | ----- | 0.0     | 7.9  | ----- | 0.0      | 10.4 | ----- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 6.5  | ----- | 0.0     | 12.3 | ----- | 0.0      | 16.5 | ----- |
| Prostatectomy.....                         | 20                 | 0.0                 | 1.2  | ----- | 0.0     | 2.9  | ----- | 0.0      | 5.0  | ----- |
| Cholecystectomy.....                       | 11                 | 0.0                 | 2.2  | ----- | 0.0     | 3.6  | ----- | 0.0      | 4.5  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MADISON COUNTY HOSPITAL INC

Medicare Provider Number: 360189

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.4 years  
Proportion female..... 58.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 50.1 %

### COMORBIDITIES:

Cancer..... 7.2 %  
Chronic cardiovascular disease..... 34.6 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 15.1 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 3.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 77.0%  
State ..... 21.5%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 101  
Occupancy Rate ..... 52.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 38.3 %  
Case Mix Index (CMI) ..... 1.1240

### STAFFING:

Total Number of Physicians..... 25  
Percent of Physicians Board  
Certified Specialists ..... 40.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 35  
Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation ..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MANSFIELD GENERAL HOSPITAL

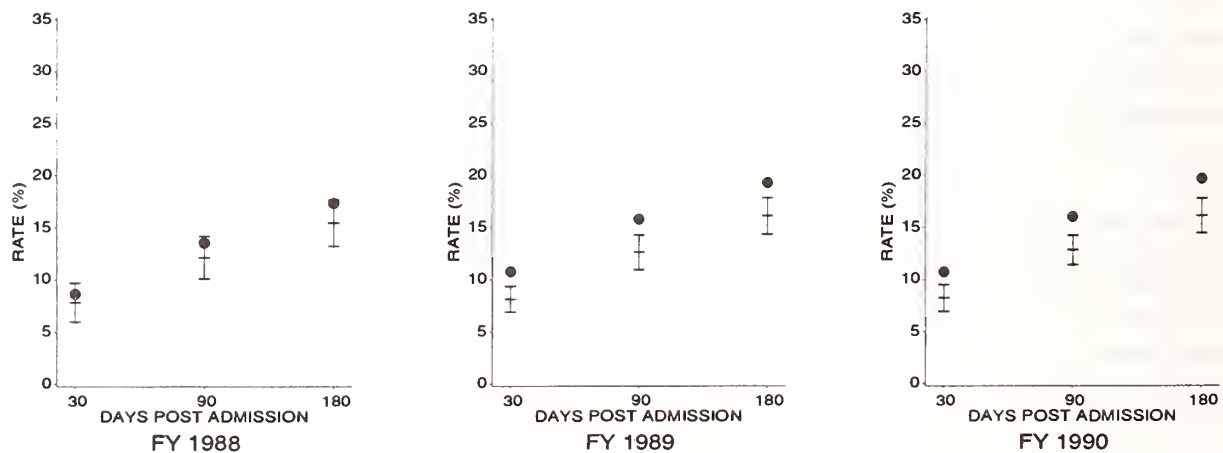
335 GLESSNER AVE  
MANSFIELD, OH 44903  
Medicare Provider Number: 360118

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2531            | 10.7                | 8.2  | 0.6   | 16.0    | 12.8 | 0.7   | 19.7     | 16.1 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 87              | 26.4                | 20.2 | 5.7   | 32.2    | 23.3 | 7.0   | 35.6     | 25.9 | 7.2   |
| Congestive Heart Failure.....              | 125             | 23.2                | 13.7 | 4.3   | 32.0    | 22.0 | 4.9   | 39.2     | 28.0 | 5.6   |
| Pneumonia/Influenza.....                   | 108             | 24.1                | 11.8 | 5.0   | 31.5    | 16.6 | 6.0   | 33.3     | 20.0 | 5.7   |
| Chronic Obstructive Pulmonary Disease..... | 40              | 22.5                | 9.7  | ----- | 22.5    | 16.4 | ----- | 22.5     | 21.1 | ----- |
| Transient Cerebral Ischemia.....           | 39              | 2.6                 | 2.1  | ----- | 7.7     | 4.2  | ----- | 12.8     | 6.5  | ----- |
| Stroke.....                                | 106             | 17.9                | 14.8 | 5.7   | 28.3    | 20.8 | 6.8   | 33.0     | 24.0 | 7.6   |
| Hip Fracture.....                          | 61              | 11.5                | 4.7  | 4.5   | 16.4    | 8.6  | 5.7   | 18.0     | 11.5 | 6.2   |
| Sepsis.....                                | 13              | 23.1                | 23.8 | ----- | 38.5    | 31.5 | ----- | 46.2     | 36.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 1               | 0.0                 | 9.3  | ----- | 0.0     | 10.2 | ----- | 0.0      | 11.5 | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 27              | 0.0                 | 3.4  | ----- | 3.7     | 6.8  | ----- | 18.5     | 9.8  | ----- |
| Carotid Endarterectomy.....                | 61              | 1.6                 | 1.4  | 1.6   | 1.6     | 2.7  | 2.2   | 3.3      | 4.0  | 3.1   |
| Hip Replacement/Reconstruction.....        | 40              | 10.0                | 1.9  | ----- | 10.0    | 3.6  | ----- | 10.0     | 5.1  | ----- |
| Open Reduction of Hip Fracture.....        | 35              | 8.6                 | 4.7  | ----- | 17.1    | 8.9  | ----- | 20.0     | 12.0 | ----- |
| Prostatectomy.....                         | 102             | 2.0                 | 0.7  | 1.3   | 2.0     | 1.8  | 2.4   | 5.9      | 3.2  | 3.3   |
| Cholecystectomy.....                       | 31              | 6.5                 | 1.4  | ----- | 9.7     | 2.7  | ----- | 9.7      | 3.8  | ----- |
| Hysterectomy.....                          | 20              | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 5.0      | 2.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MANSFIELD GENERAL HOSPITAL

Medicare Provider Number: 360118

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.6 years

Proportion female..... 54.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.7 %

Transferred from skilled nursing facility..... 0.2 %

Admitted for elective procedure..... 20.9 %

Admitted for emergency..... 77.6 %

### COMORBIDITIES:

Cancer..... 7.5 %

Chronic cardiovascular disease..... 34.9 %

Chronic liver disease..... 0.8 %

Chronic renal disease..... 3.7 %

Chronic pulmonary disease..... 14.9 %

Cerebrovascular degeneration..... 2.4 %

Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 76.8%

State..... 21.5%

Outside State..... 1.7%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.2 Days

State..... 8.3 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 319

Occupancy Rate..... 60.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges..... 27.4 %

Case Mix Index (CMI)..... 1.2342

### STAFFING:

Total Number of Physicians..... 125

Percent of Physicians Board  
Certified Specialists..... 71.2 %

Medical Residents/Interns..... 0

Registered Nurses..... 329

Licensed Practical Nurses..... 58

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... Yes

Comprehensive Geriatric..... Yes

Hospice Care..... Yes

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes

Rehabilitation..... Yes

Psychiatric..... Yes

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MARIETTA MEMORIAL HOSPITAL

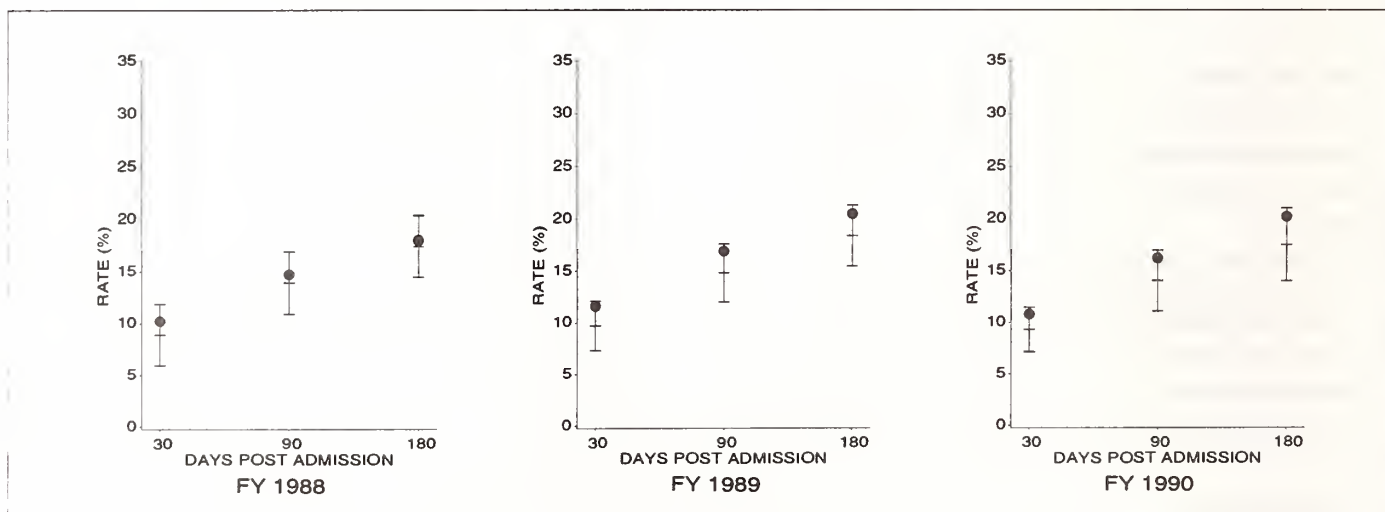
401 MATTHEW STREET  
MARIETTA, OH 45750  
Medicare Provider Number: 360147

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1466            | 10.8                | 9.3  | 1.1   | 16.2    | 14.0 | 1.5   | 20.2     | 17.5 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 45              | 20.0                | 23.1 | ----- | 28.9    | 26.6 | ----- | 31.1     | 29.6 | ----- |
| Congestive Heart Failure.....              | 98              | 18.4                | 14.9 | 5.6   | 26.5    | 23.2 | 5.1   | 34.7     | 29.4 | 6.1   |
| Pneumonia/Influenza.....                   | 109             | 22.0                | 17.9 | 4.1   | 33.9    | 24.5 | 6.3   | 37.6     | 28.9 | 6.6   |
| Chronic Obstructive Pulmonary Disease..... | 47              | 12.8                | 8.2  | ----- | 19.1    | 13.7 | ----- | 19.1     | 17.8 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 6.3                 | 1.7  | ----- | 6.3     | 4.0  | ----- | 6.3      | 6.7  | ----- |
| Stroke.....                                | 61              | 23.0                | 18.8 | 5.7   | 26.2    | 24.7 | 5.9   | 31.1     | 28.3 | 6.6   |
| Hip Fracture.....                          | 45              | 6.7                 | 6.9  | ----- | 13.3    | 12.2 | ----- | 24.4     | 16.1 | ----- |
| Sepsis.....                                | 35              | 11.4                | 17.2 | ----- | 22.9    | 24.3 | ----- | 31.4     | 28.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 4.1  | ----- | 0.0     | 8.2  | ----- | 0.0      | 13.1 | ----- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 1.4  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.8  | ----- |
| Hip Replacement/Reconstruction.....        | 28              | 10.7                | 3.1  | ----- | 14.3    | 5.9  | ----- | 14.3     | 8.1  | ----- |
| Open Reduction of Hip Fracture.....        | 29              | 3.4                 | 6.4  | ----- | 10.3    | 11.8 | ----- | 24.1     | 15.8 | ----- |
| Prostatectomy.....                         | 83              | 1.2                 | 1.1  | 1.2   | 3.6     | 2.6  | 2.0   | 6.0      | 4.4  | 2.7   |
| Cholecystectomy.....                       | 25              | 0.0                 | 4.2  | ----- | 12.0    | 8.2  | ----- | 12.0     | 10.9 | ----- |
| Hysterectomy.....                          | 29              | 0.0                 | 1.6  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MARIETTA MEMORIAL HOSPITAL

Medicare Provider Number: 360147

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.0 years |
| Proportion female.....        | 57.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 39.8 % |
| Transferred from skilled nursing facility..... | 2.7 %  |
| Admitted for elective procedure.....           | 14.7 % |
| Admitted for emergency.....                    | 22.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.8 %  |
| Chronic cardiovascular disease..... | 42.0 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 15.9 % |
| Cerebrovascular degeneration.....   | 2.5 %  |
| Diabetes mellitus.....              | 7.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 75.6%  |
| State .....         | 11.7%  |
| Outside State ..... | 12.7%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.2 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 204                 |
| Occupancy Rate .....       | 48.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 37.5 %              |
| Case Mix Index (CMI) ..... | 1.2242              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 59     |
| Percent of Physicians Board<br>Certified Specialists ..... | 74.6 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 114    |
| Licensed Practical Nurses .....                            | 54     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MARION GENERAL HOSPITAL

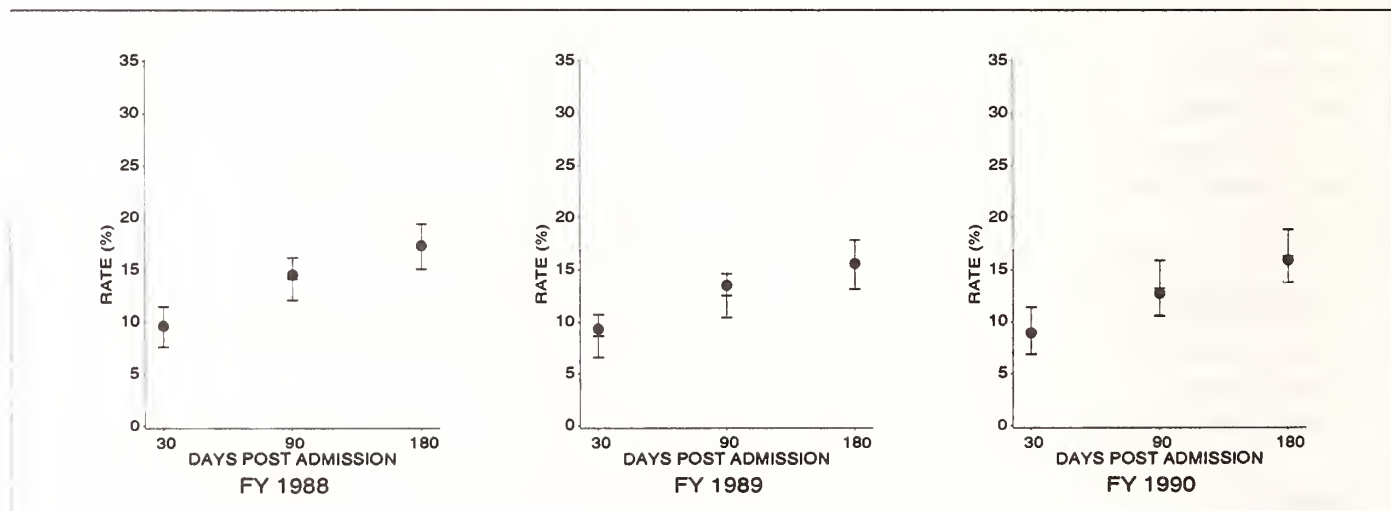
MCKINLEY PARK DR  
MARION, OH 43302  
Medicare Provider Number: 360011

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1548            | 8.9                 | 9.1  | 1.1  | 12.7    | 13.2 | 1.3  | 15.9     | 16.3 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 58              | 24.1                | 23.4 | 6.7  | 27.6    | 26.4 | 6.4  | 31.0     | 29.3 | 6.3  |
| Congestive Heart Failure.....              | 77              | 10.4                | 14.3 | 5.8  | 16.9    | 22.5 | 9.0  | 22.1     | 28.2 | 8.6  |
| Pneumonia/Influenza.....                   | 87              | 11.5                | 16.8 | 6.5  | 16.1    | 22.6 | 7.6  | 20.7     | 26.7 | 8.6  |
| Chronic Obstructive Pulmonary Disease..... | 18              | 27.8                | 14.0 | ---- | 27.8    | 22.2 | ---- | 38.9     | 28.0 | ---- |
| Transient Cerebral Ischemia.....           | 22              | 0.0                 | 1.8  | ---- | 0.0     | 3.7  | ---- | 4.5      | 5.7  | ---- |
| Stroke.....                                | 52              | 17.3                | 22.4 | 7.6  | 23.1    | 27.9 | 7.2  | 28.8     | 31.3 | 6.6  |
| Hip Fracture.....                          | 45              | 4.4                 | 6.0  | ---- | 6.7     | 10.7 | ---- | 11.1     | 14.0 | ---- |
| Sepsis.....                                | 13              | 30.8                | 34.3 | ---- | 38.5    | 39.9 | ---- | 38.5     | 43.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 14              | 7.1                 | 4.2  | ---- | 7.1     | 7.4  | ---- | 7.1      | 9.9  | ---- |
| Carotid Endarterectomy.....                | 25              | 0.0                 | 1.7  | ---- | 0.0     | 3.1  | ---- | 0.0      | 4.4  | ---- |
| Hip Replacement/Reconstruction.....        | 49              | 2.0                 | 3.1  | ---- | 2.0     | 5.8  | ---- | 4.1      | 7.7  | ---- |
| Open Reduction of Hip Fracture.....        | 19              | 5.3                 | 5.9  | ---- | 10.5    | 11.0 | ---- | 15.8     | 14.4 | ---- |
| Prostatectomy.....                         | 113             | 0.9                 | 0.6  | 0.8  | 0.9     | 1.4  | 1.2  | 1.8      | 2.4  | 1.7  |
| Cholecystectomy.....                       | 42              | 2.4                 | 2.5  | ---- | 4.8     | 4.5  | ---- | 4.8      | 5.9  | ---- |
| Hysterectomy.....                          | 22              | 0.0                 | 0.7  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MARION GENERAL HOSPITAL

Medicare Provider Number: 360011

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
Proportion female..... 53.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.0 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 22.2 %  
Admitted for emergency..... 74.7 %

### COMORBIDITIES:

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 40.4 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 12.9 %  
Cerebrovascular degeneration..... 3.2 %  
Diabetes mellitus..... 5.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.5%  
State ..... 22.2%  
Outside State ..... 1.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.2 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 157  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 35.8 %  
Case Mix Index (CMI) ..... 1.2553

### STAFFING:

Total Number of Physicians..... 74  
Percent of Physicians Board  
Certified Specialists ..... 71.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 201  
Licensed Practical Nurses ..... 21

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MARY RUTAN HOSPITAL

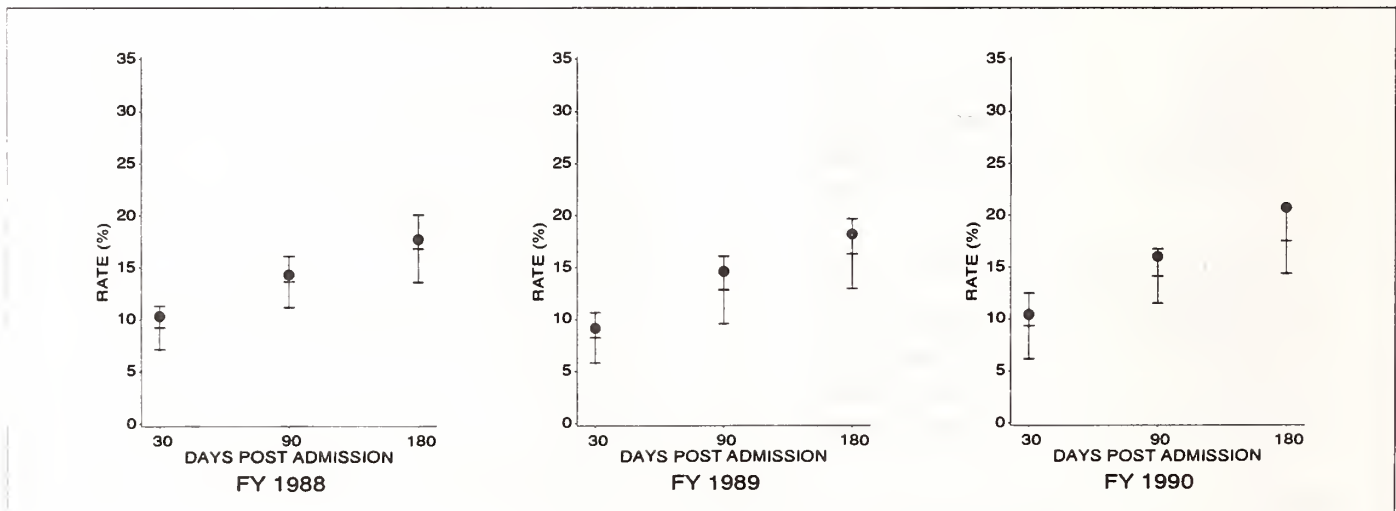
205 PALMER AVENUE  
BELLEFONTAINE, OH 43311  
Medicare Provider Number: 360197

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 898             | 10.4                | 9.3  | 1.6   | 16.0    | 14.1 | 1.3   | 20.7     | 17.5 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 33              | 15.2                | 24.0 | ----- | 15.2    | 26.8 | ----- | 24.2     | 29.3 | ----- |
| Congestive Heart Failure.....              | 73              | 13.7                | 14.1 | 4.1   | 27.4    | 22.2 | 6.2   | 42.5     | 28.5 | 8.7   |
| Pneumonia/Influenza.....                   | 42              | 26.2                | 17.9 | ----- | 28.6    | 24.3 | ----- | 33.3     | 28.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 20              | 0.0                 | 8.3  | ----- | 5.0     | 14.5 | ----- | 10.0     | 19.3 | ----- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 1.7  | ----- | 0.0     | 4.0  | ----- | 0.0      | 6.8  | ----- |
| Stroke.....                                | 38              | 28.9                | 20.9 | ----- | 36.8    | 27.5 | ----- | 39.5     | 31.4 | ----- |
| Hip Fracture.....                          | 21              | 23.8                | 8.5  | ----- | 28.6    | 14.8 | ----- | 28.6     | 18.3 | ----- |
| Sepsis.....                                | 10              | 10.0                | 16.8 | ----- | 20.0    | 23.4 | ----- | 20.0     | 27.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 10              | 10.0                | 4.3  | ----- | 30.0    | 7.8  | ----- | 30.0     | 10.4 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 16              | 6.3                 | 3.1  | ----- | 6.3     | 5.5  | ----- | 6.3      | 7.0  | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 25.0                | 7.9  | ----- | 37.5    | 14.1 | ----- | 37.5     | 17.6 | ----- |
| Prostatectomy.....                         | 35              | 2.9                 | 0.7  | ----- | 2.9     | 1.5  | ----- | 2.9      | 2.6  | ----- |
| Cholecystectomy.....                       | 10              | 0.0                 | 2.3  | ----- | 0.0     | 4.3  | ----- | 10.0     | 5.5  | ----- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MARY RUTAN HOSPITAL

Medicare Provider Number: 360197

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.6 years

Proportion female..... 53.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.7 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 11.5 %

Admitted for emergency..... 42.9 %

### COMORBIDITIES:

Cancer..... 5.8 %

Chronic cardiovascular disease..... 53.9 %

Chronic liver disease..... 1.1 %

Chronic renal disease..... 2.8 %

Chronic pulmonary disease..... 18.1 %

Cerebrovascular degeneration..... 4.1 %

Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.8%

State ..... 8.7%

Outside State ..... 2.5%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 105

Occupancy Rate ..... 42.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges .....(Not Available)

Case Mix Index (CMI) ..... 1.0795

### STAFFING:

Total Number of Physicians..... (Not Available)

Percent of Physicians Board  
Certified Specialists .....(Not Available)

Medical Residents/Interns ..... (Not Available)

Registered Nurses..... (Not Available)

Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MARYMOUNT HOSPITAL

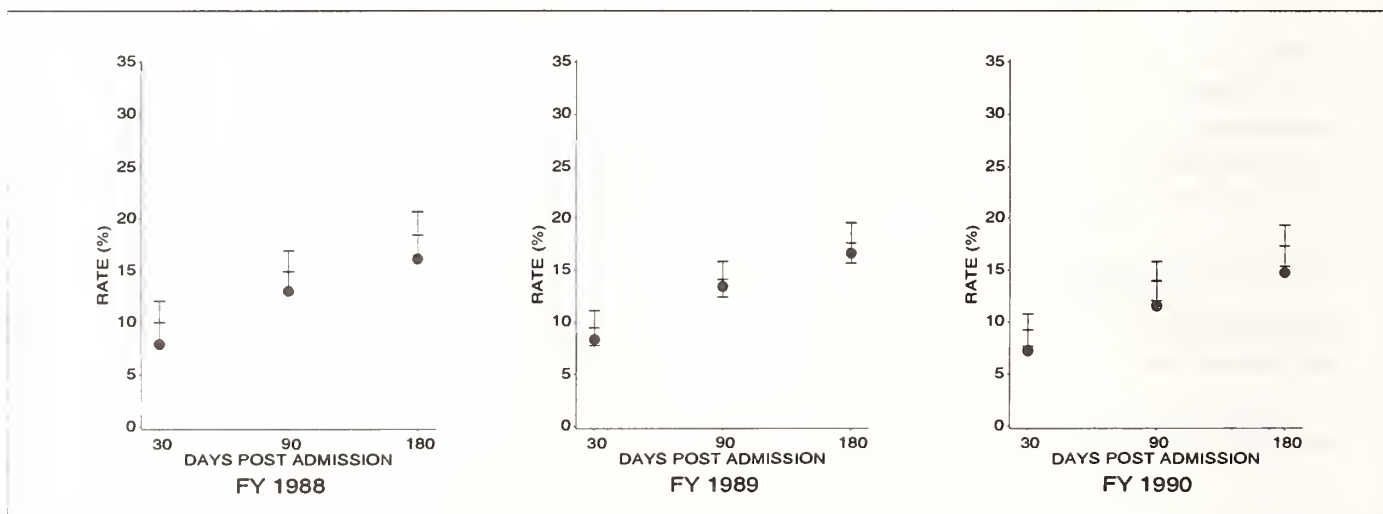
12300 MCCracken ROAD  
GARFIELD HEIGHTS, OH 44125  
Medicare Provider Number: 360143

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2349            | 7.2                 | 9.2  | 0.8  | 11.5    | 13.9 | 0.9  | 14.7     | 17.3 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 94              | 17.0                | 26.6 | 6.8  | 20.2    | 29.5 | 6.6  | 23.4     | 32.4 | 6.6  |
| Congestive Heart Failure.....              | 172             | 12.8                | 15.6 | 4.9  | 20.3    | 24.6 | 7.5  | 26.2     | 30.8 | 6.9  |
| Pneumonia/Influenza.....                   | 84              | 14.3                | 17.8 | 6.4  | 20.2    | 24.8 | 7.2  | 26.2     | 29.4 | 7.5  |
| Chronic Obstructive Pulmonary Disease..... | 59              | 5.1                 | 8.6  | 4.7  | 13.6    | 15.0 | 5.4  | 22.0     | 20.2 | 5.7  |
| Transient Cerebral Ischemia.....           | 58              | 1.7                 | 2.0  | 1.9  | 3.4     | 4.4  | 2.8  | 6.9      | 7.1  | 4.3  |
| Stroke.....                                | 99              | 17.2                | 19.9 | 4.9  | 21.2    | 25.4 | 6.7  | 23.2     | 28.7 | 7.7  |
| Hip Fracture.....                          | 43              | 16.3                | 7.1  | ---- | 23.3    | 12.5 | ---- | 23.3     | 16.4 | ---- |
| Sepsis.....                                | 15              | 26.7                | 30.3 | ---- | 33.3    | 40.0 | ---- | 46.7     | 45.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 19              | 0.0                 | 2.6  | ---- | 10.5    | 5.1  | ---- | 15.8     | 7.5  | ---- |
| Carotid Endarterectomy.....                | 13              | 0.0                 | 1.6  | ---- | 0.0     | 3.1  | ---- | 7.7      | 4.7  | ---- |
| Hip Replacement/Reconstruction.....        | 13              | 15.4                | 5.0  | ---- | 15.4    | 9.0  | ---- | 15.4     | 12.3 | ---- |
| Open Reduction of Hip Fracture.....        | 21              | 9.5                 | 7.1  | ---- | 14.3    | 13.2 | ---- | 14.3     | 17.5 | ---- |
| Prostatectomy.....                         | 98              | 4.1                 | 1.2  | 2.7  | 5.1     | 2.5  | 3.1  | 6.1      | 4.1  | 3.2  |
| Cholecystectomy.....                       | 32              | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.5  | ---- |
| Hysterectomy.....                          | 23              | 0.0                 | 0.7  | ---- | 4.3     | 1.6  | ---- | 13.0     | 2.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MARYMOUNT HOSPITAL

Medicare Provider Number: 360143

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.2 years |
| Proportion female.....        | 59.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.0 % |
| Transferred from skilled nursing facility..... | 2.8 %  |
| Admitted for elective procedure.....           | 15.4 % |
| Admitted for emergency.....                    | 57.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.0 %  |
| Chronic cardiovascular disease..... | 42.8 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 2.7 %  |
| Chronic pulmonary disease.....      | 13.7 % |
| Cerebrovascular degeneration.....   | 4.3 %  |
| Diabetes mellitus.....              | 5.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 91.2%  |
| State .....         | 7.1%   |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.8 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 279    |
| Occupancy Rate .....       | 67.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 45.4 % |
| Case Mix Index (CMI) ..... | 1.1676 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 144    |
| Percent of Physicians Board<br>Certified Specialists ..... | 82.6 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 169    |
| Licensed Practical Nurses .....                            | 96     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MASSILLON COMMUNITY HOSPITAL

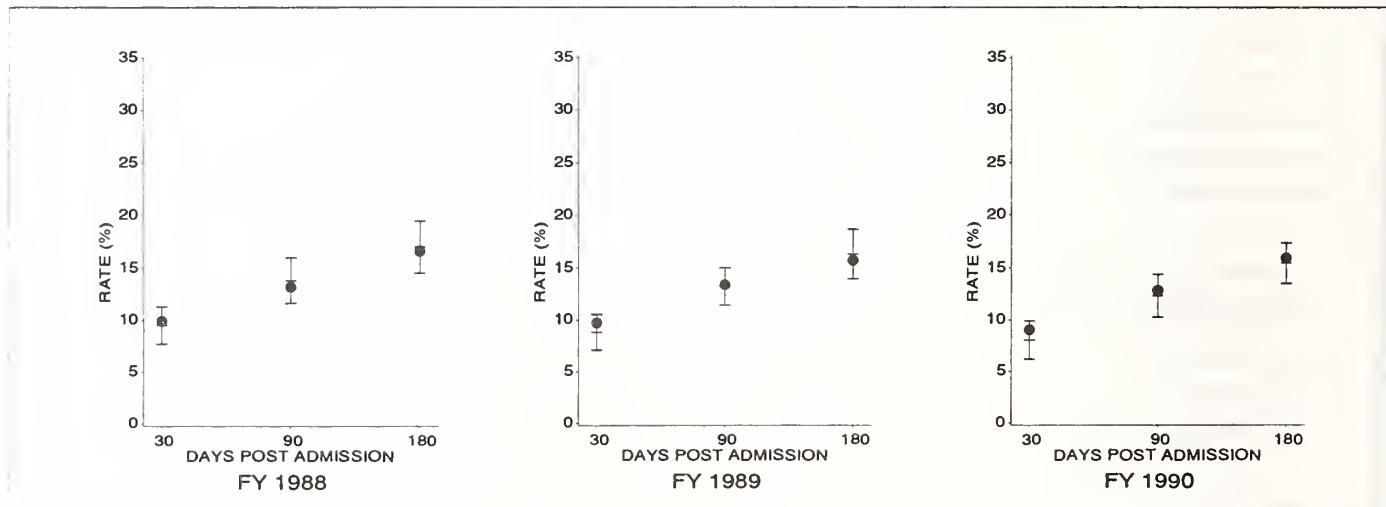
875 EIGHTH ST NE  
MASSILLON, OH 44646  
Medicare Provider Number: 360100

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1473            | 9.0                 | 8.0  | 0.9  | 12.8    | 12.3 | 1.0  | 15.9     | 15.4 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 34              | 23.5                | 21.7 | ---- | 32.4    | 24.5 | ---- | 35.3     | 27.0 | ---- |
| Congestive Heart Failure.....              | 72              | 9.7                 | 13.0 | 5.4  | 16.7    | 20.5 | 5.2  | 27.8     | 26.2 | 5.8  |
| Pneumonia/Influenza.....                   | 51              | 19.6                | 17.2 | 5.7  | 21.6    | 23.1 | 6.0  | 25.5     | 27.0 | 6.5  |
| Chronic Obstructive Pulmonary Disease..... | 28              | 7.1                 | 7.4  | ---- | 10.7    | 12.6 | ---- | 21.4     | 17.0 | ---- |
| Transient Cerebral Ischemia.....           | 23              | 0.0                 | 1.3  | ---- | 0.0     | 3.0  | ---- | 0.0      | 4.9  | ---- |
| Stroke.....                                | 55              | 23.6                | 19.2 | 7.1  | 29.1    | 25.4 | 6.7  | 30.9     | 29.0 | 6.3  |
| Hip Fracture.....                          | 40              | 2.5                 | 5.7  | ---- | 5.0     | 10.1 | ---- | 5.0      | 13.4 | ---- |
| Sepsis.....                                | 8               | 37.5                | 25.4 | ---- | 37.5    | 34.5 | ---- | 37.5     | 40.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 10              | 20.0                | 4.7  | ---- | 30.0    | 8.6  | ---- | 30.0     | 11.9 | ---- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 2.1  | ---- | 0.0     | 3.8  | ---- | 0.0      | 5.6  | ---- |
| Hip Replacement/Reconstruction.....        | 35              | 0.0                 | 2.5  | ---- | 0.0     | 4.7  | ---- | 0.0      | 6.3  | ---- |
| Open Reduction of Hip Fracture.....        | 22              | 0.0                 | 5.3  | ---- | 4.5     | 9.6  | ---- | 4.5      | 12.9 | ---- |
| Prostatectomy.....                         | 46              | 0.0                 | 1.0  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.7  | ---- |
| Cholecystectomy.....                       | 31              | 6.5                 | 2.4  | ---- | 6.5     | 4.0  | ---- | 9.7      | 5.1  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MASSILLON COMMUNITY HOSPITAL

Medicare Provider Number: 360100

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 58.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 58.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 22.7 %  
Admitted for emergency..... 60.4 %

### COMORBIDITIES:

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 47.5 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 15.8 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 9.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.3%  
State ..... 9.4%  
Outside State ..... 1.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 163  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 34.9 %  
Case Mix Index (CMI) ..... 1.2577

### STAFFING:

Total Number of Physicians..... 62  
Percent of Physicians Board  
Certified Specialists ..... 75.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 111  
Licensed Practical Nurses ..... 64

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MCCULLOUGH-HYDE MEMORIAL HOSPITAL

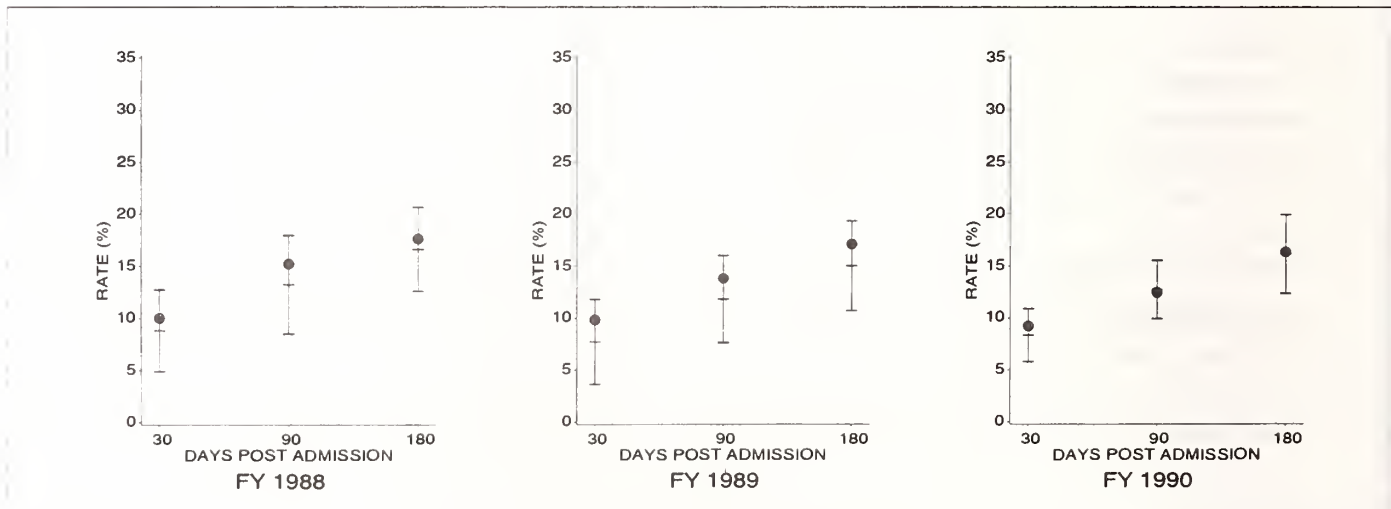
110 N POPLAR ST  
OXFORD, OH 45056  
Medicare Provider Number: 360046

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 620             | 9.2                 | 8.3  | 1.3  | 12.4    | 12.7 | 1.4  | 16.3     | 16.1 | 1.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 15              | 33.3                | 31.3 | ---- | 33.3    | 35.0 | ---- | 40.0     | 38.3 | ---- |
| Congestive Heart Failure.....              | 40              | 17.5                | 13.1 | ---- | 20.0    | 20.7 | ---- | 35.0     | 26.6 | ---- |
| Pneumonia/Influenza.....                   | 69              | 18.8                | 13.6 | 7.2  | 21.7    | 18.7 | 6.4  | 26.1     | 22.3 | 6.5  |
| Chronic Obstructive Pulmonary Disease..... | 17              | 5.9                 | 5.3  | ---- | 5.9     | 9.5  | ---- | 5.9      | 13.2 | ---- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 1.9  | ---- | 0.0     | 4.6  | ---- | 7.7      | 7.6  | ---- |
| Stroke.....                                | 20              | 25.0                | 20.1 | ---- | 30.0    | 25.2 | ---- | 35.0     | 28.2 | ---- |
| Hip Fracture.....                          | 20              | 20.0                | 6.8  | ---- | 20.0    | 11.9 | ---- | 20.0     | 15.1 | ---- |
| Sepsis.....                                | 3               | 0.0                 | 37.3 | ---- | 0.0     | 49.5 | ---- | 0.0      | 54.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 8               | 25.0                | 7.0  | ---- | 25.0    | 12.5 | ---- | 25.0     | 16.0 | ---- |
| Open Reduction of Hip Fracture.....        | 11              | 18.2                | 6.0  | ---- | 18.2    | 10.6 | ---- | 18.2     | 13.9 | ---- |
| Prostatectomy.....                         | 18              | 0.0                 | 0.9  | ---- | 0.0     | 1.9  | ---- | 0.0      | 3.1  | ---- |
| Cholecystectomy.....                       | 22              | 0.0                 | 3.1  | ---- | 0.0     | 5.8  | ---- | 0.0      | 7.8  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MCCULLOUGH-HYDE MEMORIAL HOSPITAL

Medicare Provider Number: 360046

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.9 years |
| Proportion female.....        | 60.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 53.9 % |
| Transferred from skilled nursing facility..... | 0.6 %  |
| Admitted for elective procedure.....           | 37.1 % |
| Admitted for emergency.....                    | 62.6 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.5 %  |
| Chronic cardiovascular disease..... | 35.2 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 2.7 %  |
| Chronic pulmonary disease.....      | 14.8 % |
| Cerebrovascular degeneration.....   | 4.0 %  |
| Diabetes mellitus.....              | 7.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                    |        |
|--------------------|--------|
| County/City.....   | 48.3%  |
| State.....         | 18.7%  |
| Outside State..... | 33.0%  |
| Total.....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|               |          |
|---------------|----------|
| Hospital..... | 6.0 Days |
| State.....    | 8.3 Days |
| National..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                           |                     |
|---------------------------|---------------------|
| Total Beds.....           | 60                  |
| Occupancy Rate.....       | 60.0 %              |
| Ownership/Control.....    | Private, Non-Profit |
| Medicare Discharges.....  | 29.2 %              |
| Case Mix Index (CMI)..... | 1.0644              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 47     |
| Percent of Physicians Board<br>Certified Specialists..... | 74.5 % |
| Medical Residents/Interns.....                            | 0      |
| Registered Nurses.....                                    | 81     |
| Licensed Practical Nurses.....                            | 15     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit.....                       | No  |
| Cardiac Intensive Care.....          | No  |
| Comprehensive Geriatric.....         | No  |
| Hospice Care.....                    | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant.....         | No  |
| Other Intensive Care.....            | No  |
| Trauma Center.....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                          |    |
|--------------------------|----|
| Alcohol/Drug.....        | No |
| Rehabilitation.....      | No |
| Psychiatric.....         | No |
| Medicare Swing Beds..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEDICAL CENTER HOSPITAL

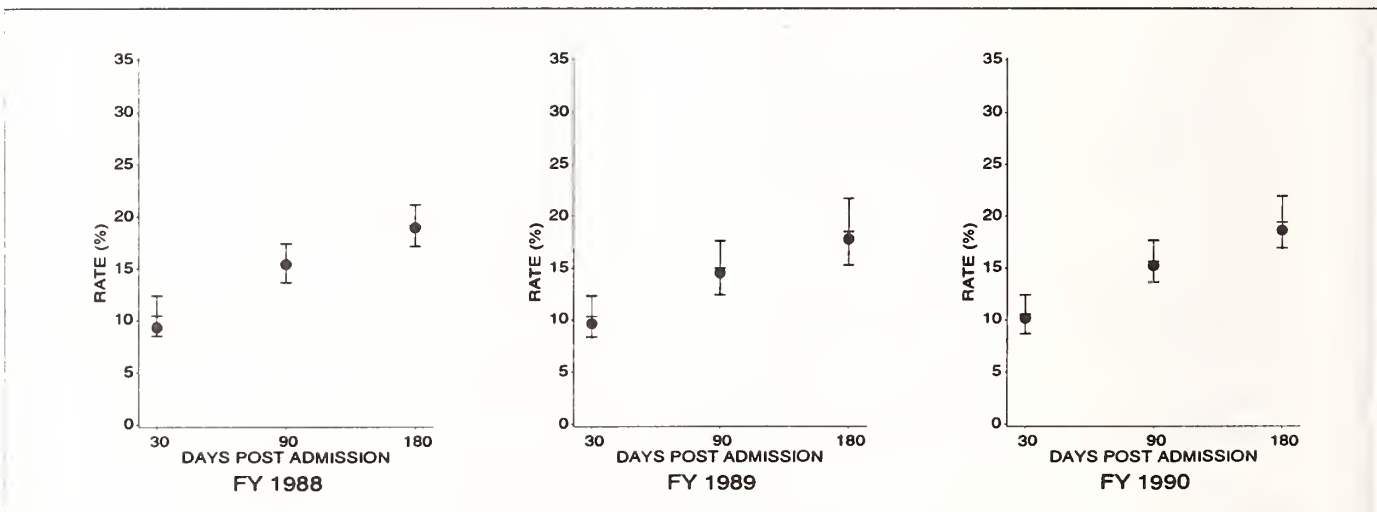
272 HOSPITAL RD  
CHILLICOTHE, OH 45601  
Medicare Provider Number: 360159

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1663            | 10.1                | 10.5 | 0.9  | 15.2    | 15.6 | 1.0  | 18.6     | 19.4 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 58              | 29.3                | 29.2 | 6.0  | 32.8    | 32.2 | 6.3  | 32.8     | 35.2 | 6.8  |
| Congestive Heart Failure.....              | 155             | 13.5                | 15.5 | 3.5  | 21.3    | 24.1 | 4.8  | 28.4     | 30.4 | 4.5  |
| Pneumonia/Influenza.....                   | 108             | 22.2                | 18.4 | 5.1  | 31.5    | 25.0 | 6.3  | 34.3     | 29.2 | 5.9  |
| Chronic Obstructive Pulmonary Disease..... | 56              | 1.8                 | 6.7  | 6.1  | 3.6     | 12.1 | 10.2 | 14.3     | 16.4 | 6.2  |
| Transient Cerebral Ischemia.....           | 30              | 3.3                 | 1.6  | ---- | 3.3     | 3.5  | ---- | 3.3      | 5.5  | ---- |
| Stroke.....                                | 67              | 14.9                | 23.4 | 8.3  | 20.9    | 29.9 | 8.2  | 26.9     | 33.9 | 7.8  |
| Hip Fracture.....                          | 49              | 4.1                 | 8.7  | ---- | 6.1     | 14.9 | ---- | 12.2     | 18.7 | ---- |
| Sepsis.....                                | 23              | 43.5                | 26.9 | ---- | 43.5    | 35.1 | ---- | 43.5     | 40.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 2.0  | ---- | 0.0     | 3.5  | ---- | 0.0      | 5.0  | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.8  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.4  | ---- |
| Hip Replacement/Reconstruction.....        | 26              | 3.8                 | 4.8  | ---- | 3.8     | 8.5  | ---- | 11.5     | 11.0 | ---- |
| Open Reduction of Hip Fracture.....        | 24              | 0.0                 | 8.4  | ---- | 4.2     | 14.9 | ---- | 8.3      | 19.0 | ---- |
| Prostatectomy.....                         | 51              | 0.0                 | 0.9  | 1.6  | 0.0     | 2.2  | 2.9  | 2.0      | 3.7  | 3.1  |
| Cholecystectomy.....                       | 46              | 2.2                 | 1.6  | ---- | 2.2     | 3.0  | ---- | 2.2      | 4.0  | ---- |
| Hysterectomy.....                          | 7               | 0.0                 | 1.1  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEDICAL CENTER HOSPITAL

Medicare Provider Number: 360159

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.2 years  
Proportion female..... 58.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 29.3 %  
Transferred from skilled nursing facility..... 7.5 %  
Admitted for elective procedure..... 10.5 %  
Admitted for emergency..... 64.5 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 41.8 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 28.9 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.0%  
State ..... 23.9%  
Outside State ..... 1.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 172  
Occupancy Rate ..... 61.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 39.5 %  
Case Mix Index (CMI) ..... 1.1631

### STAFFING:

Total Number of Physicians..... 81  
Percent of Physicians Board  
Certified Specialists ..... 58.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 145  
Licensed Practical Nurses ..... 29

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEDICAL CENTER HOSPITAL INC

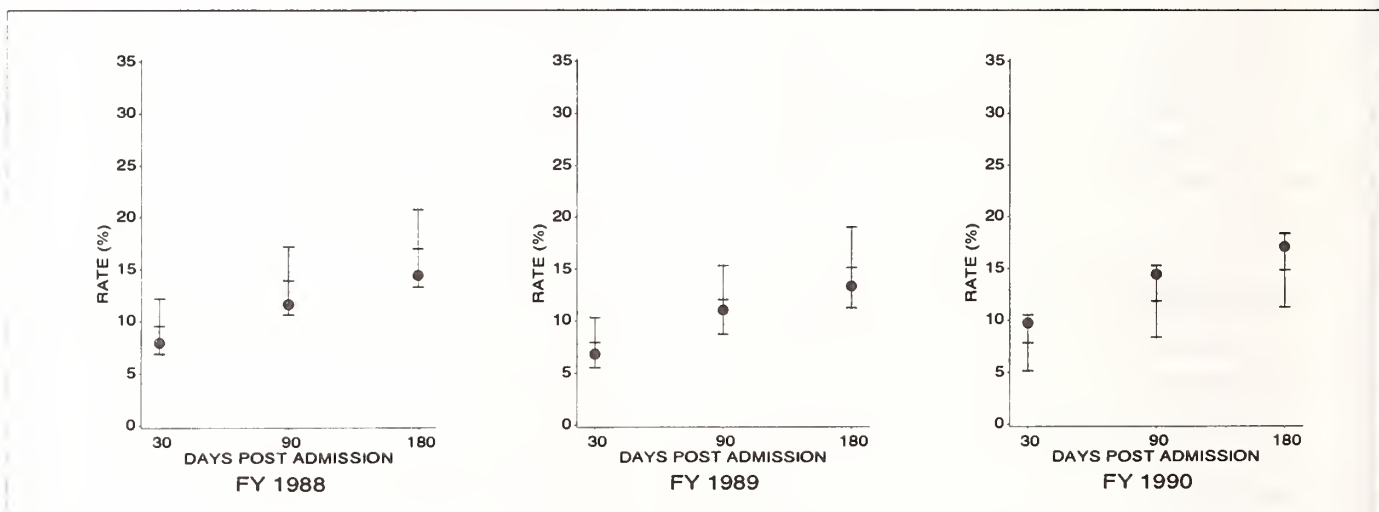
1050 DELAWARE AVE  
MARION, OH 43302  
Medicare Provider Number: 360028

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 852             | 9.7                 | 7.8  | 1.3  | 14.4    | 11.8 | 1.7  | 17.1     | 14.8 | 1.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 21              | 23.8                | 23.4 | ---- | 23.8    | 26.4 | ---- | 28.6     | 29.1 | ---- |
| Congestive Heart Failure.....              | 47              | 19.1                | 14.9 | ---- | 29.8    | 23.7 | ---- | 40.4     | 30.0 | ---- |
| Pneumonia/Influenza.....                   | 46              | 15.2                | 16.6 | ---- | 21.7    | 22.0 | ---- | 26.1     | 25.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 0.0                 | 7.1  | ---- | 0.0     | 12.3 | ---- | 0.0      | 16.0 | ---- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 1.5  | ---- | 0.0     | 3.3  | ---- | 0.0      | 5.4  | ---- |
| Stroke.....                                | 30              | 23.3                | 18.4 | ---- | 26.7    | 22.9 | ---- | 26.7     | 26.5 | ---- |
| Hip Fracture.....                          | 25              | 24.0                | 6.5  | ---- | 28.0    | 11.7 | ---- | 28.0     | 15.1 | ---- |
| Sepsis.....                                | 5               | 20.0                | 22.1 | ---- | 40.0    | 28.0 | ---- | 60.0     | 32.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 15              | 0.0                 | 2.6  | ---- | 0.0     | 4.6  | ---- | 6.7      | 6.3  | ---- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 1.4  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.0  | ---- |
| Hip Replacement/Reconstruction.....        | 30              | 13.3                | 4.1  | ---- | 16.7    | 7.6  | ---- | 16.7     | 10.2 | ---- |
| Open Reduction of Hip Fracture.....        | 12              | 16.7                | 3.6  | ---- | 16.7    | 6.5  | ---- | 16.7     | 8.7  | ---- |
| Prostatectomy.....                         | 26              | 3.8                 | 0.8  | ---- | 3.8     | 1.6  | ---- | 3.8      | 2.7  | ---- |
| Cholecystectomy.....                       | 13              | 0.0                 | 1.7  | ---- | 0.0     | 2.8  | ---- | 0.0      | 3.7  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.2  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MEDICAL CENTER HOSPITAL INC

Medicare Provider Number: 360028

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.9 years  
Proportion female..... 52.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 29.7 %  
Transferred from skilled nursing facility..... 4.7 %  
Admitted for elective procedure..... 13.8 %  
Admitted for emergency..... 45.2 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 45.3 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 11.6 %  
Cerebrovascular degeneration..... 1.4 %  
Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 62.0%  
State..... 36.4%  
Outside State..... 1.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.6 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 100  
Occupancy Rate..... 55.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 42.7 %  
Case Mix Index (CMI)..... 1.2187

### STAFFING:

Total Number of Physicians..... 44  
Percent of Physicians Board  
Certified Specialists..... 63.6 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 82  
Licensed Practical Nurses..... 13

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEDICAL COLLEGE OF OHIO AT TOLEDO

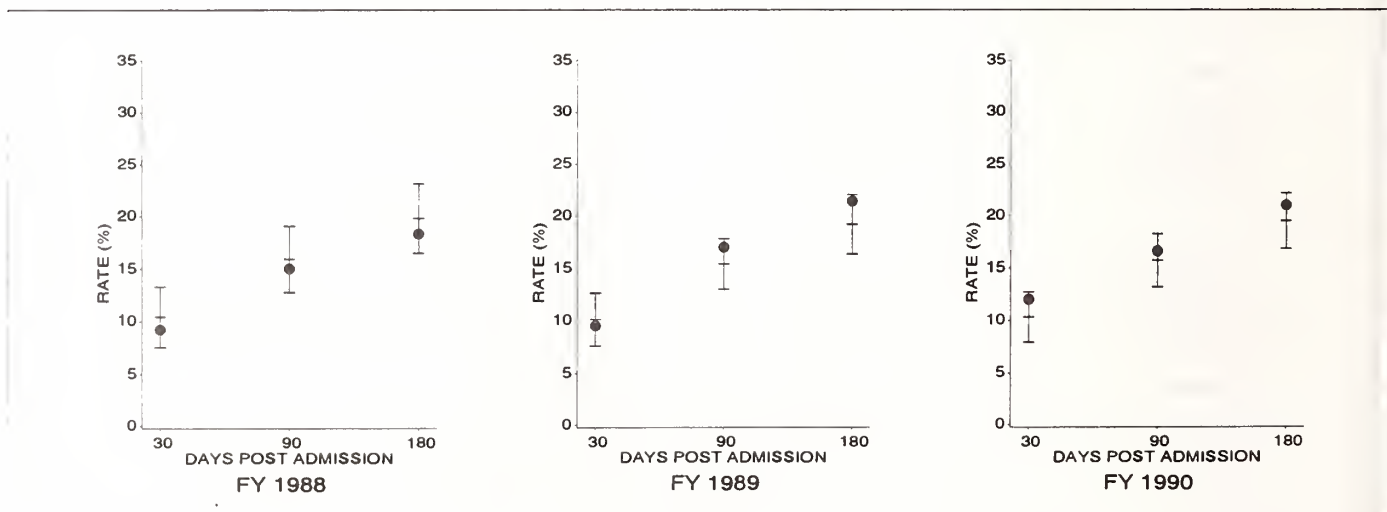
3000 ARLINGTON AVE  
TOLEDO, OH 43699  
Medicare Provider Number: 360048

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1323               | 12.0                | 10.3 | 1.2  | 16.6    | 15.7 | 1.3  | 21.0     | 19.5 | 1.3  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 37                 | 37.8                | 27.4 | ---- | 48.6    | 30.4 | ---- | 48.6     | 33.3 | ---- |
| Congestive Heart Failure.....              | 67                 | 14.9                | 15.4 | 4.5  | 22.4    | 23.5 | 5.3  | 29.9     | 29.4 | 5.8  |
| Pneumonia/Influenza.....                   | 38                 | 34.2                | 19.8 | ---- | 42.1    | 27.5 | ---- | 44.7     | 31.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 17                 | 5.9                 | 10.5 | ---- | 11.8    | 17.9 | ---- | 11.8     | 22.6 | ---- |
| Transient Cerebral Ischemia.....           | 12                 | 8.3                 | 2.1  | ---- | 8.3     | 4.4  | ---- | 8.3      | 6.8  | ---- |
| Stroke.....                                | 29                 | 20.7                | 24.8 | ---- | 24.1    | 29.5 | ---- | 31.0     | 32.9 | ---- |
| Hip Fracture.....                          | 26                 | 7.7                 | 5.6  | ---- | 7.7     | 10.0 | ---- | 11.5     | 13.0 | ---- |
| Sepsis.....                                | 5                  | 20.0                | 14.7 | ---- | 40.0    | 19.7 | ---- | 40.0     | 23.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 31                 | 12.9                | 3.3  | ---- | 12.9    | 4.3  | ---- | 12.9     | 5.2  | ---- |
| Coronary Artery Bypass Graft.....          | 37                 | 13.5                | 5.2  | ---- | 18.9    | 7.6  | ---- | 18.9     | 8.8  | ---- |
| Initial Pacemaker Insertion.....           | 7                  | 0.0                 | 2.1  | ---- | 0.0     | 3.9  | ---- | 0.0      | 6.0  | ---- |
| Carotid Endarterectomy.....                | 5                  | 20.0                | 1.1  | ---- | 20.0    | 2.1  | ---- | 20.0     | 3.2  | ---- |
| Hip Replacement/Reconstruction.....        | 13                 | 7.7                 | 2.3  | ---- | 7.7     | 4.7  | ---- | 7.7      | 6.5  | ---- |
| Open Reduction of Hip Fracture.....        | 12                 | 0.0                 | 6.3  | ---- | 0.0     | 11.3 | ---- | 0.0      | 14.5 | ---- |
| Prostatectomy.....                         | 30                 | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 3.3      | 7.8  | ---- |
| Cholecystectomy.....                       | 11                 | 0.0                 | 3.7  | ---- | 0.0     | 7.7  | ---- | 0.0      | 10.9 | ---- |
| Hysterectomy.....                          | 7                  | 14.3                | 1.5  | ---- | 14.3    | 3.8  | ---- | 14.3     | 6.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEDICAL COLLEGE OF OHIO AT TOLEDO

Medicare Provider Number: 360048

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 68.6 years |
| Proportion female.....        | 48.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 23.7 % |
| Transferred from skilled nursing facility..... | 1.8 %  |
| Admitted for elective procedure.....           | 26.5 % |
| Admitted for emergency.....                    | 47.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.8 %  |
| Chronic cardiovascular disease..... | 41.6 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 6.6 %  |
| Chronic pulmonary disease.....      | 15.3 % |
| Cerebrovascular degeneration.....   | 4.9 %  |
| Diabetes mellitus.....              | 7.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 54.1%  |
| State .....         | 39.6%  |
| Outside State ..... | 6.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |           |
|----------------|-----------|
| Hospital ..... | 10.4 Days |
| State .....    | 8.3 Days  |
| National ..... | 8.6 Days  |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 291              |
| Occupancy Rate .....       | 81.0 %           |
| Ownership/Control.....     | State Government |
| Medicare Discharges .....  | 32.4 %           |
| Case Mix Index (CMI) ..... | 1.6182           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 260    |
| Percent of Physicians Board<br>Certified Specialists ..... | 88.5 % |
| Medical Residents/Interns .....                            | 238    |
| Registered Nurses.....                                     | 385    |
| Licensed Practical Nurses .....                            | 33     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEDINA COMMUNITY HOSPITAL

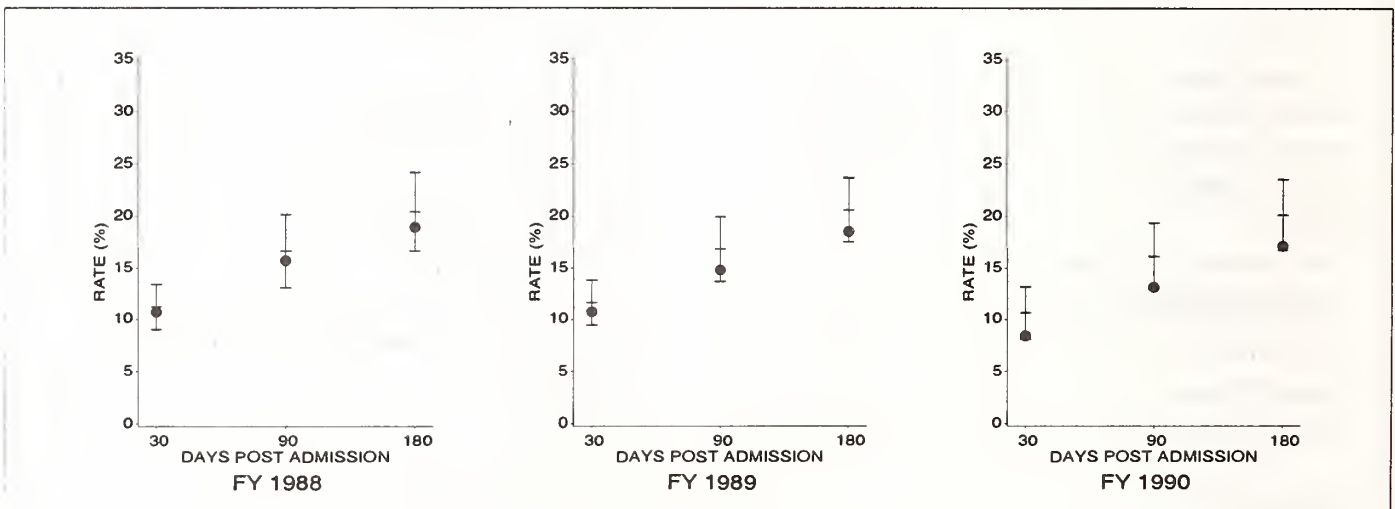
990 E WASHINGTON ST  
MEDINA, OH 44256  
Medicare Provider Number: 360091

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1073            | 8.4                 | 10.6 | 1.3  | 13.1    | 16.1 | 1.6  | 17.1     | 20.1 | 1.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 34              | 23.5                | 27.6 | ---- | 26.5    | 30.9 | ---- | 32.4     | 33.9 | ---- |
| Congestive Heart Failure.....              | 71              | 8.5                 | 16.5 | 9.0  | 19.7    | 24.3 | 8.6  | 28.2     | 30.8 | 8.4  |
| Pneumonia/Influenza.....                   | 41              | 17.1                | 14.6 | ---- | 26.8    | 19.8 | ---- | 31.7     | 23.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 33              | 9.1                 | 11.5 | ---- | 15.2    | 19.6 | ---- | 15.2     | 25.1 | ---- |
| Transient Cerebral Ischemia.....           | 23              | 4.3                 | 1.8  | ---- | 4.3     | 4.0  | ---- | 8.7      | 6.6  | ---- |
| Stroke.....                                | 52              | 15.4                | 21.2 | 7.8  | 19.2    | 27.9 | 10.4 | 21.2     | 31.9 | 11.4 |
| Hip Fracture.....                          | 29              | 0.0                 | 7.4  | ---- | 10.3    | 14.0 | ---- | 13.8     | 18.5 | ---- |
| Sepsis.....                                | 25              | 24.0                | 27.4 | ---- | 28.0    | 35.0 | ---- | 44.0     | 40.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 15              | 0.0                 | 2.1  | ---- | 0.0     | 4.4  | ---- | 0.0      | 6.8  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 24              | 0.0                 | 4.4  | ---- | 0.0     | 8.8  | ---- | 4.2      | 12.3 | ---- |
| Open Reduction of Hip Fracture.....        | 10              | 0.0                 | 5.3  | ---- | 20.0    | 10.9 | ---- | 20.0     | 15.2 | ---- |
| Prostatectomy.....                         | 21              | 4.8                 | 0.9  | ---- | 4.8     | 1.9  | ---- | 4.8      | 3.2  | ---- |
| Cholecystectomy.....                       | 28              | 3.6                 | 3.7  | ---- | 10.7    | 7.3  | ---- | 10.7     | 9.9  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MEDINA COMMUNITY HOSPITAL

Medicare Provider Number: 360091

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years

Proportion female..... 60.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.8 %

Transferred from skilled nursing facility..... 9.2 %

Admitted for elective procedure..... 11.2 %

Admitted for emergency..... 23.7 %

### COMORBIDITIES:

Cancer..... 8.9 %

Chronic cardiovascular disease..... 48.2 %

Chronic liver disease..... 0.4 %

Chronic renal disease..... 2.9 %

Chronic pulmonary disease..... 18.2 %

Cerebrovascular degeneration..... 5.3 %

Diabetes mellitus..... 13.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.3%

State ..... 15.4%

Outside State ..... 3.3%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 118

Occupancy Rate ..... 51.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 35.5 %

Case Mix Index (CMI) ..... 1.3436

### STAFFING:

Total Number of Physicians..... 80

Percent of Physicians Board  
Certified Specialists..... 71.3 %

Medical Residents/Interns ..... 0

Registered Nurses..... 120

Licensed Practical Nurses..... 28

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL

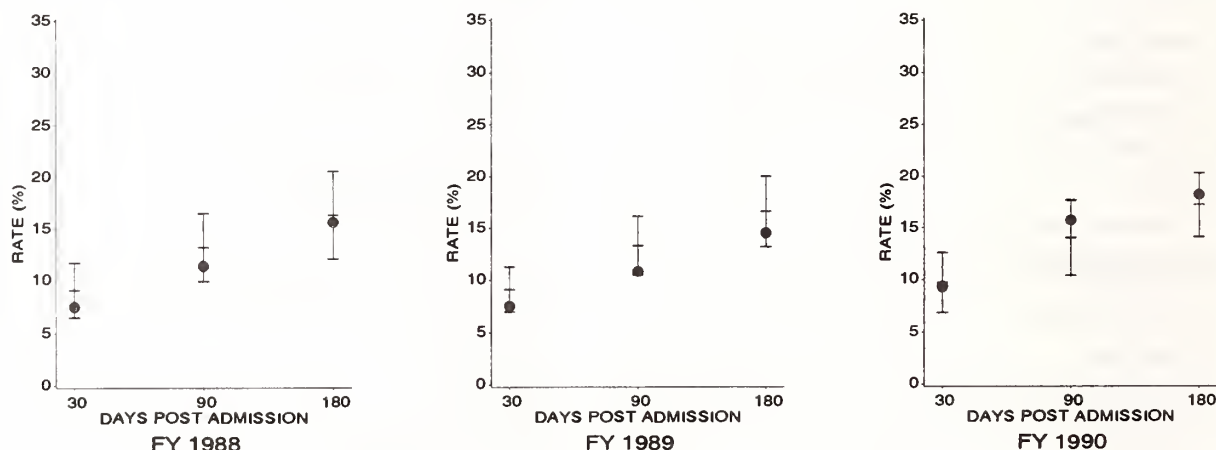
715 SOUTH TAFT AVENUE  
FREMONT, OH 43420  
Medicare Provider Number: 360156

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 951             | 9.3                 | 9.7  | 1.4   | 15.7    | 14.0 | 1.8   | 18.2     | 17.2 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 44              | 25.0                | 31.5 | ----- | 25.0    | 34.5 | ----- | 25.0     | 37.0 | ----- |
| Congestive Heart Failure.....              | 43              | 20.9                | 18.3 | ----- | 39.5    | 27.9 | ----- | 39.5     | 34.3 | ----- |
| Pneumonia/Influenza.....                   | 58              | 3.4                 | 17.2 | 7.0   | 15.5    | 23.4 | 7.9   | 15.5     | 27.0 | 7.4   |
| Chronic Obstructive Pulmonary Disease..... | 20              | 15.0                | 9.1  | ----- | 20.0    | 15.5 | ----- | 25.0     | 20.3 | ----- |
| Transient Cerebral Ischemia.....           | 11              | 0.0                 | 3.1  | ----- | 9.1     | 6.9  | ----- | 36.4     | 10.5 | ----- |
| Stroke.....                                | 51              | 41.2                | 20.1 | 10.0  | 47.1    | 26.1 | 10.3  | 47.1     | 29.8 | 9.6   |
| Hip Fracture.....                          | 44              | 4.5                 | 6.9  | ----- | 9.1     | 12.2 | ----- | 9.1      | 15.9 | ----- |
| Sepsis.....                                | 15              | 13.3                | 16.1 | ----- | 13.3    | 22.1 | ----- | 20.0     | 25.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 12              | 0.0                 | 3.9  | ----- | 8.3     | 6.4  | ----- | 8.3      | 8.9  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 17              | 0.0                 | 5.5  | ----- | 5.9     | 9.8  | ----- | 5.9      | 12.8 | ----- |
| Open Reduction of Hip Fracture.....        | 12              | 0.0                 | 5.0  | ----- | 0.0     | 9.0  | ----- | 0.0      | 12.0 | ----- |
| Prostatectomy.....                         | 51              | 2.0                 | 0.8  | 1.6   | 2.0     | 1.8  | 3.4   | 5.9      | 3.2  | 3.6   |
| Cholecystectomy.....                       | 20              | 0.0                 | 1.3  | ----- | 5.0     | 2.3  | ----- | 5.0      | 3.0  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 4.3  | ----- | 0.0     | 9.4  | ----- | 0.0      | 13.8 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**MEMORIAL HOSPITAL**  
Medicare Provider Number: 360156

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.3 years  
Proportion female..... 55.4 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 36.4 %  
Transferred from skilled nursing facility..... 2.1 %  
Admitted for elective procedure..... 25.0 %  
Admitted for emergency..... 54.4 %

**COMORBIDITIES:**

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 41.2 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 12.0 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 6.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 79.7 %  
State ..... 18.9 %  
Outside State ..... 1.4 %  
Total ..... 100.0 %

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 5.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 132  
Occupancy Rate ..... 47.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 33.5 %  
Case Mix Index (CMI) ..... 1.1321

**STAFFING:**

Total Number of Physicians..... 53  
Percent of Physicians Board  
Certified Specialists ..... 64.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 106  
Licensed Practical Nurses ..... 35

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL OF GENEVA

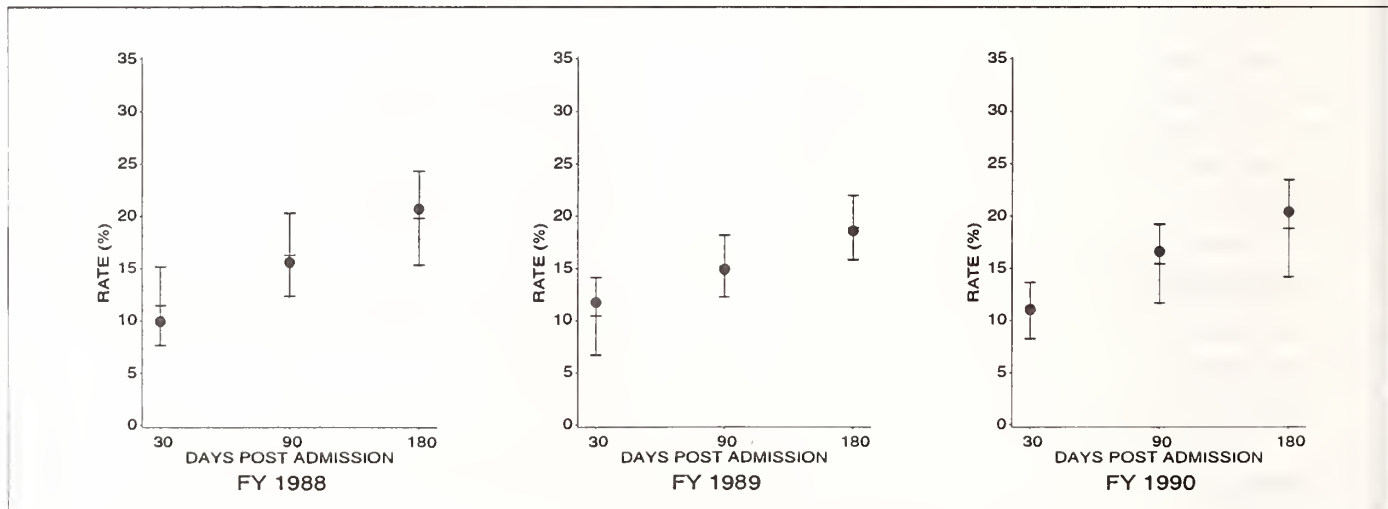
870 WEST MAIN STREET  
GENEVA, OH 44041  
Medicare Provider Number: 360127

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 652             | 11.0                | 10.9 | 1.4  | 16.6    | 15.4 | 1.9  | 20.4     | 18.8 | 2.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 21              | 33.3                | 32.2 | ---- | 33.3    | 34.9 | ---- | 33.3     | 37.5 | ---- |
| Congestive Heart Failure.....              | 43              | 20.9                | 16.5 | ---- | 30.2    | 25.5 | ---- | 41.9     | 32.1 | ---- |
| Pneumonia/Influenza.....                   | 66              | 22.7                | 18.8 | 8.9  | 33.3    | 25.3 | 10.1 | 36.4     | 29.4 | 8.8  |
| Chronic Obstructive Pulmonary Disease..... | 19              | 5.3                 | 9.4  | ---- | 21.1    | 16.4 | ---- | 21.1     | 21.8 | ---- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 1.5  | ---- | 0.0     | 3.5  | ---- | 0.0      | 5.7  | ---- |
| Stroke.....                                | 22              | 27.3                | 19.9 | ---- | 36.4    | 25.9 | ---- | 50.0     | 29.6 | ---- |
| Hip Fracture.....                          | 18              | 5.6                 | 5.5  | ---- | 11.1    | 9.4  | ---- | 11.1     | 12.0 | ---- |
| Sepsis.....                                | 10              | 30.0                | 27.8 | ---- | 30.0    | 34.1 | ---- | 30.0     | 38.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 3               | 33.3                | 5.9  | ---- | 33.3    | 10.0 | ---- | 33.3     | 13.1 | ---- |
| Open Reduction of Hip Fracture.....        | 10              | 0.0                 | 5.1  | ---- | 0.0     | 9.0  | ---- | 0.0      | 11.6 | ---- |
| Prostatectomy.....                         | 15              | 0.0                 | 0.8  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.9  | ---- |
| Cholecystectomy.....                       | 12              | 0.0                 | 0.8  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.5  | ---- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MEMORIAL HOSPITAL OF GENEVA

Medicare Provider Number: 360127

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.6 years |
| Proportion female.....        | 56.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 20.1 % |
| Transferred from skilled nursing facility..... | 1.4 %  |
| Admitted for elective procedure.....           | 2.8 %  |
| Admitted for emergency.....                    | 94.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 2.5 %  |
| Chronic cardiovascular disease..... | 37.9 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 4.0 %  |
| Chronic pulmonary disease.....      | 16.4 % |
| Cerebrovascular degeneration.....   | 7.7 %  |
| Diabetes mellitus.....              | 8.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 67.9%  |
| State .....         | 30.2%  |
| Outside State ..... | 1.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.2 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 55                  |
| Occupancy Rate .....       | 52.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 45.9 %              |
| Case Mix Index (CMI) ..... | 0.9850              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 30     |
| Percent of Physicians Board<br>Certified Specialists..... | 33.3 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 45     |
| Licensed Practical Nurses .....                           | 15     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit .....                      | No  |
| Cardiac Intensive Care .....         | No  |
| Comprehensive Geriatric .....        | No  |
| Hospice Care .....                   | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant .....        | No  |
| Other Intensive Care .....           | No  |
| Trauma Center .....                  | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation .....      | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL OF UNION COUNTY

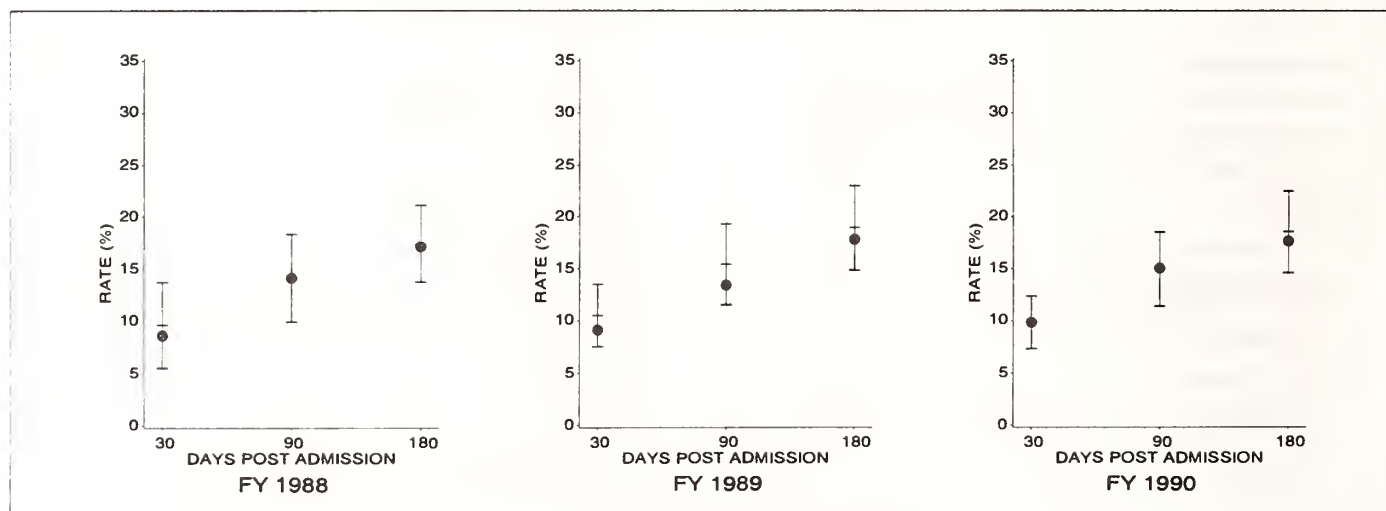
500 LONDON AVE  
MARYSVILLE, OH 43040  
Medicare Provider Number: 360092

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 602             | 9.8                 | 9.8  | 1.3  | 15.0    | 14.9 | 1.8  | 17.6     | 18.5 | 2.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 13              | 15.4                | 25.6 | ---- | 30.8    | 29.0 | ---- | 30.8     | 31.9 | ---- |
| Congestive Heart Failure.....              | 45              | 15.6                | 12.7 | ---- | 20.0    | 19.9 | ---- | 26.7     | 25.5 | ---- |
| Pneumonia/Influenza.....                   | 36              | 13.9                | 14.1 | ---- | 19.4    | 19.2 | ---- | 25.0     | 22.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 17              | 0.0                 | 8.8  | ---- | 0.0     | 14.9 | ---- | 0.0      | 19.5 | ---- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 1.6  | ---- | 4.8     | 3.7  | ---- | 4.8      | 6.0  | ---- |
| Stroke.....                                | 13              | 38.5                | 24.5 | ---- | 46.2    | 32.8 | ---- | 46.2     | 36.5 | ---- |
| Hip Fracture.....                          | 18              | 16.7                | 10.0 | ---- | 33.3    | 17.2 | ---- | 33.3     | 21.6 | ---- |
| Sepsis.....                                | 8               | 25.0                | 27.5 | ---- | 25.0    | 37.7 | ---- | 25.0     | 42.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 4.4  | ---- | 0.0     | 9.2  | ---- | 100.0    | 14.1 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7               | 0.0                 | 5.3  | ---- | 0.0     | 9.7  | ---- | 0.0      | 12.7 | ---- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 9.3  | ---- | 25.0    | 16.5 | ---- | 25.0     | 20.7 | ---- |
| Prostatectomy.....                         | 14              | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.8  | ---- |
| Cholecystectomy.....                       | 14              | 14.3                | 3.8  | ---- | 21.4    | 6.3  | ---- | 21.4     | 7.9  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.2  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEMORIAL HOSPITAL OF UNION COUNTY

Medicare Provider Number: 360092

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 59.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 10.8 %  
Admitted for emergency..... 66.1 %

### COMORBIDITIES:

Cancer..... 8.6 %  
Chronic cardiovascular disease..... 48.3 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 18.3 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 10.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 70.3%  
State ..... 27.0%  
Outside State ..... 2.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 58  
Occupancy Rate ..... 41.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 36.9 %  
Case Mix Index (CMI) ..... 1.1421

### STAFFING:

Total Number of Physicians..... 30  
Percent of Physicians Board  
Certified Specialists..... 70.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 76  
Licensed Practical Nurses ..... 24

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERCER CTY JOINT TOWNSHIP COMM HOSPITAL

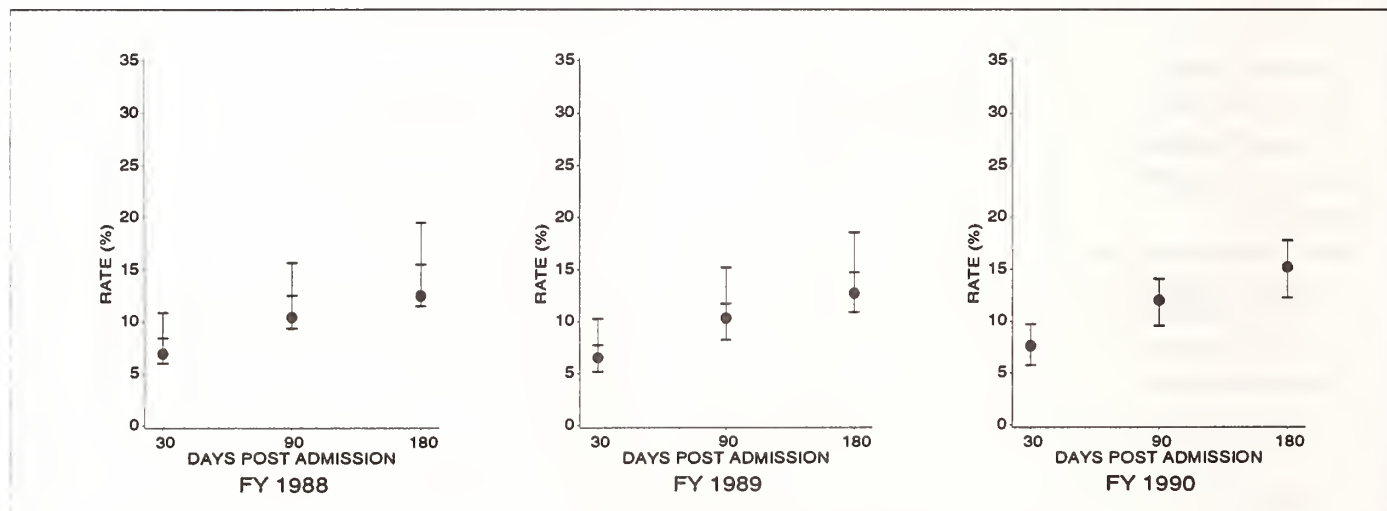
800 WEST MAIN STREET  
COLDWATER, OH 45828  
Medicare Provider Number: 360058

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 987             | 7.6                 | 7.7  | 1.0   | 12.0    | 11.8 | 1.1   | 15.2     | 15.0 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 21              | 33.3                | 23.6 | ----- | 33.3    | 26.4 | ----- | 33.3     | 28.9 | ----- |
| Congestive Heart Failure.....              | 49              | 16.3                | 14.6 | ----- | 24.5    | 23.1 | ----- | 24.5     | 29.1 | ----- |
| Pneumonia/Influenza.....                   | 69              | 14.5                | 13.9 | 5.4   | 23.2    | 19.1 | 5.7   | 29.0     | 22.7 | 7.0   |
| Chronic Obstructive Pulmonary Disease..... | 12              | 25.0                | 5.0  | ----- | 25.0    | 9.6  | ----- | 33.3     | 13.8 | ----- |
| Transient Cerebral Ischemia.....           | 25              | 0.0                 | 1.6  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.9  | ----- |
| Stroke.....                                | 33              | 18.2                | 16.9 | ----- | 18.2    | 23.3 | ----- | 21.2     | 27.4 | ----- |
| Hip Fracture.....                          | 23              | 8.7                 | 5.2  | ----- | 17.4    | 9.1  | ----- | 17.4     | 11.7 | ----- |
| Sepsis.....                                | 7               | 14.3                | 20.5 | ----- | 14.3    | 24.8 | ----- | 14.3     | 29.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 20.0                | 3.8  | ----- | 20.0    | 7.7  | ----- | 20.0     | 11.2 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 16              | 6.3                 | 3.7  | ----- | 12.5    | 7.1  | ----- | 12.5     | 9.4  | ----- |
| Open Reduction of Hip Fracture.....        | 12              | 0.0                 | 4.9  | ----- | 8.3     | 8.4  | ----- | 8.3      | 10.9 | ----- |
| Prostatectomy.....                         | 25              | 0.0                 | 1.2  | ----- | 0.0     | 2.6  | ----- | 4.0      | 4.3  | ----- |
| Cholecystectomy.....                       | 34              | 5.9                 | 2.9  | ----- | 8.8     | 5.3  | ----- | 8.8      | 7.3  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 2.5  | ----- | 0.0     | 4.7  | ----- | 11.1     | 7.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MERCER CTY JOINT TOWNSHIP COMM HOSPITAL

Medicare Provider Number: 360058

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.7 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 11.2 %  
Admitted for emergency..... 1.8 %

### COMORBIDITIES:

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 41.5 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 12.1 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 82.8%  
State..... 14.6%  
Outside State..... 2.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.1 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 93  
Occupancy Rate..... 69.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 32.0 %  
Case Mix Index (CMI)..... 1.0969

### STAFFING:

Total Number of Physicians..... 39  
Percent of Physicians Board  
Certified Specialists..... 56.4 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 116  
Licensed Practical Nurses..... 15

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

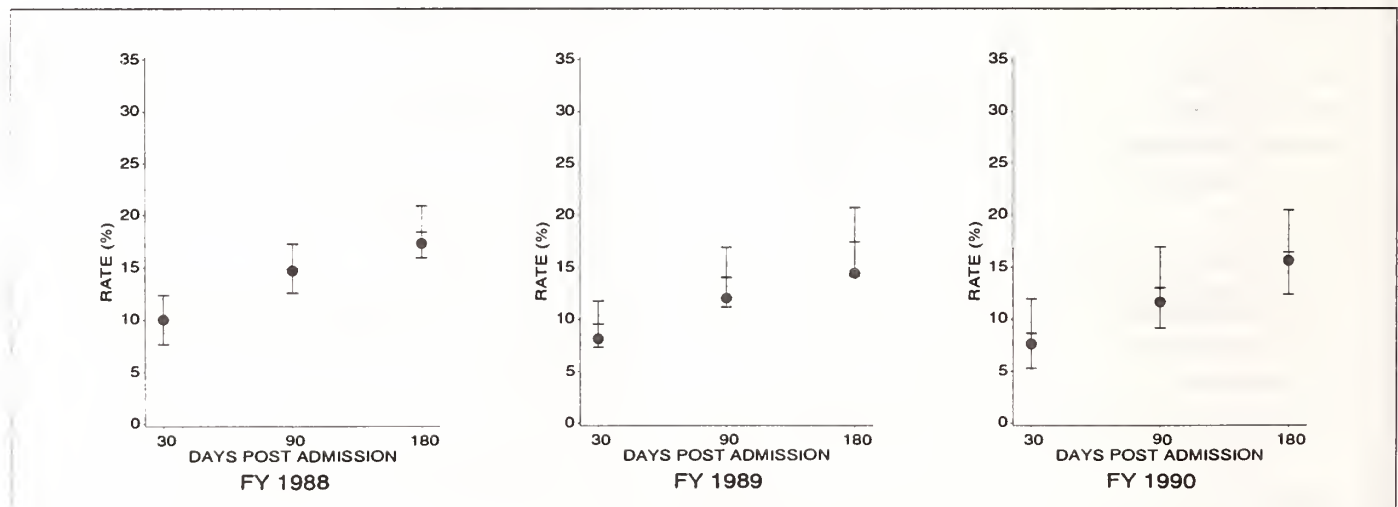
**MERCY HOSPITAL**  
 485 W MARKET ST  
 TIFFIN, OH 44883  
 Medicare Provider Number: 360089

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1068            | 7.6                 | 8.6  | 1.7   | 11.6    | 13.0 | 2.0   | 15.6     | 16.4 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 37              | 35.1                | 28.9 | ----- | 35.1    | 31.7 | ----- | 37.8     | 34.3 | ----- |
| Congestive Heart Failure.....              | 105             | 14.3                | 16.6 | 4.4   | 25.7    | 25.2 | 6.6   | 34.3     | 31.6 | 7.6   |
| Pneumonia/Influenza.....                   | 56              | 16.1                | 16.5 | 5.2   | 21.4    | 22.6 | 5.7   | 25.0     | 26.4 | 6.6   |
| Chronic Obstructive Pulmonary Disease..... | 31              | 6.5                 | 6.6  | ----- | 6.5     | 12.3 | ----- | 12.9     | 16.7 | ----- |
| Transient Cerebral Ischemia.....           | 39              | 5.1                 | 2.4  | ----- | 7.7     | 5.3  | ----- | 15.4     | 8.4  | ----- |
| Stroke.....                                | 25              | 36.0                | 19.5 | ----- | 44.0    | 26.5 | ----- | 48.0     | 30.1 | ----- |
| Hip Fracture.....                          | 21              | 0.0                 | 9.3  | ----- | 4.8     | 15.3 | ----- | 14.3     | 19.6 | ----- |
| Sepsis.....                                | 14              | 7.1                 | 18.8 | ----- | 7.1     | 25.2 | ----- | 7.1      | 28.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 6.7  | ----- | 0.0     | 13.0 | ----- | 14.3     | 17.7 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 4.6  | ----- | 5.6     | 8.2  | ----- | 5.6      | 11.0 | ----- |
| Open Reduction of Hip Fracture.....        | 12              | 0.0                 | 8.8  | ----- | 0.0     | 14.9 | ----- | 8.3      | 19.1 | ----- |
| Prostatectomy.....                         | 21              | 0.0                 | 1.3  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.5  | ----- |
| Cholecystectomy.....                       | 22              | 4.5                 | 2.2  | ----- | 4.5     | 3.9  | ----- | 4.5      | 4.9  | ----- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**MERCY HOSPITAL**  
Medicare Provider Number: 360089

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 74.5 years  
Proportion female..... 57.4 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 41.4 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 11.4 %  
Admitted for emergency..... 58.3 %

**COMORBIDITIES:**

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 54.8 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 26.3 %  
Cerebrovascular degeneration..... 2.6 %  
Diabetes mellitus..... 5.1 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 92.5%  
State..... 6.7%  
Outside State..... 0.8%  
Total..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 6.5 Days  
State..... 8.3 Days  
National..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

**SOURCE:** AHA Annual Survey of Hospitals\*\* - Survey Year 1989

**PROFILE:**

Total Beds..... 95  
Occupancy Rate..... 48.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 40.0 %  
Case Mix Index (CMI)..... 1.0689

**STAFFING:**

Total Number of Physicians..... 34  
Percent of Physicians Board  
Certified Specialists..... 64.7 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 78  
Licensed Practical Nurses..... 41

**SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

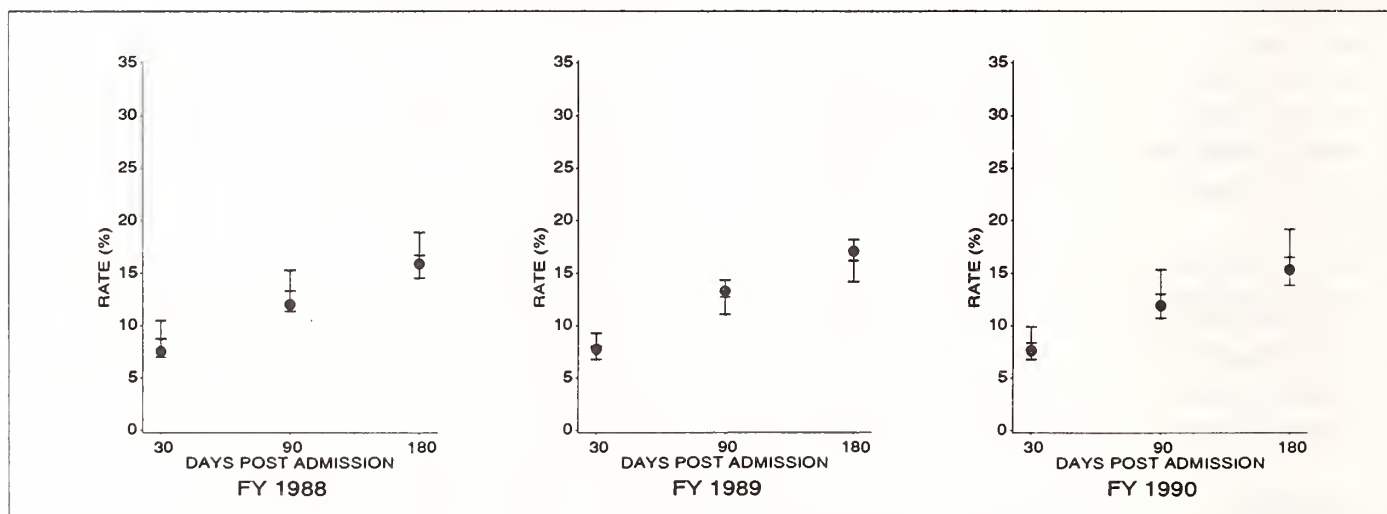
**MERCY HOSPITAL**  
2200 JEFFERSON AVE  
TOLEDO, OH 43624  
Medicare Provider Number: 360103

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2049            | 7.6                 | 8.3  | 0.8  | 11.9    | 13.0 | 1.2  | 15.3     | 16.5 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 52              | 13.5                | 24.0 | 11.5 | 21.2    | 27.1 | 11.0 | 25.0     | 30.1 | 9.7  |
| Congestive Heart Failure.....              | 141             | 9.2                 | 12.5 | 4.2  | 19.1    | 20.2 | 3.6  | 24.1     | 26.0 | 4.1  |
| Pneumonia/Influenza.....                   | 104             | 16.3                | 16.5 | 3.7  | 20.2    | 22.6 | 5.0  | 25.0     | 26.6 | 5.9  |
| Chronic Obstructive Pulmonary Disease..... | 36              | 8.3                 | 8.0  | ---- | 13.9    | 13.8 | ---- | 19.4     | 18.4 | ---- |
| Transient Cerebral Ischemia.....           | 24              | 0.0                 | 1.2  | ---- | 0.0     | 2.8  | ---- | 0.0      | 4.8  | ---- |
| Stroke.....                                | 75              | 13.3                | 16.6 | 7.6  | 17.3    | 23.1 | 8.6  | 20.0     | 26.9 | 9.6  |
| Hip Fracture.....                          | 35              | 8.6                 | 7.7  | ---- | 14.3    | 13.6 | ---- | 14.3     | 17.6 | ---- |
| Sepsis.....                                | 27              | 25.9                | 28.8 | ---- | 37.0    | 35.9 | ---- | 40.7     | 40.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 12              | 8.3                 | 4.1  | ---- | 8.3     | 8.3  | ---- | 8.3      | 11.8 | ---- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 1.7  | ---- | 0.0     | 3.1  | ---- | 0.0      | 4.6  | ---- |
| Hip Replacement/Reconstruction.....        | 25              | 4.0                 | 3.1  | ---- | 4.0     | 5.9  | ---- | 4.0      | 7.8  | ---- |
| Open Reduction of Hip Fracture.....        | 19              | 5.3                 | 5.2  | ---- | 15.8    | 9.4  | ---- | 15.8     | 12.8 | ---- |
| Prostatectomy.....                         | 78              | 1.3                 | 1.0  | 1.2  | 2.6     | 2.2  | 1.9  | 2.6      | 3.6  | 2.4  |
| Cholecystectomy.....                       | 28              | 0.0                 | 1.9  | ---- | 3.6     | 3.1  | ---- | 3.6      | 3.9  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 1.6  | ---- | 0.0     | 3.3  | ---- | 11.1     | 4.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**MERCY HOSPITAL**  
Medicare Provider Number: 360103

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.3 years  
Proportion female..... 57.1 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 44.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 44.6 %  
Admitted for emergency..... 53.3 %

**COMORBIDITIES:**

Cancer..... 6.9 %  
Chronic cardiovascular disease..... 32.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 6.5 %  
Chronic pulmonary disease..... 20.0 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 10.7 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 86.1 %  
State ..... 7.6 %  
Outside State ..... 6.3 %  
Total ..... 100.0 %

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 9.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 248  
Occupancy Rate ..... 61.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 39.3 %  
Case Mix Index (CMI) ..... 1.2732

**STAFFING:**

Total Number of Physicians..... 221  
Percent of Physicians Board  
Certified Specialists..... 65.2 %  
Medical Residents/Interns ..... 21  
Registered Nurses..... 260  
Licensed Practical Nurses..... 64

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERCY HOSPITAL ANDERSON

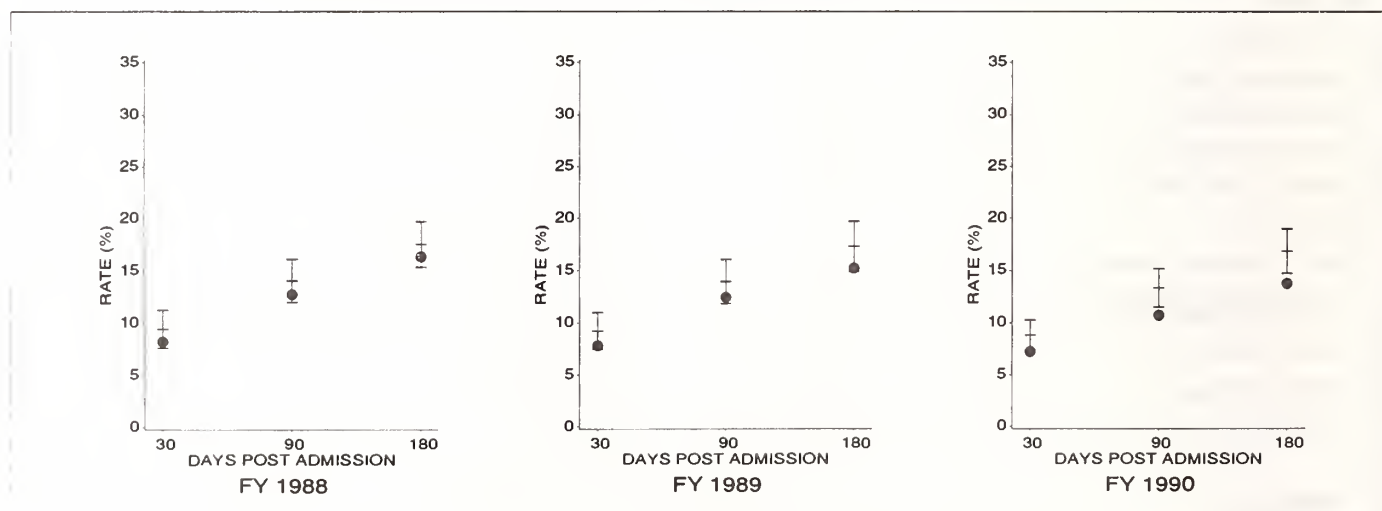
7500 STATE ROAD  
CINCINNATI, OH 45255  
Medicare Provider Number: 360001

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2196            | 7.2                 | 8.8  | 0.7  | 10.7    | 13.3 | 0.9  | 13.7     | 16.8 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 73              | 19.2                | 22.7 | 5.9  | 21.9    | 26.1 | 7.0  | 23.3     | 29.2 | 8.3  |
| Congestive Heart Failure.....              | 153             | 13.7                | 14.0 | 3.7  | 16.3    | 22.0 | 6.1  | 22.9     | 27.8 | 6.2  |
| Pneumonia/Influenza.....                   | 160             | 10.6                | 16.0 | 4.1  | 15.6    | 21.6 | 4.8  | 18.8     | 25.5 | 5.2  |
| Chronic Obstructive Pulmonary Disease..... | 47              | 10.6                | 8.5  | ---- | 14.9    | 14.5 | ---- | 17.0     | 19.2 | ---- |
| Transient Cerebral Ischemia.....           | 49              | 0.0                 | 1.6  | ---- | 2.0     | 3.6  | ---- | 4.1      | 5.8  | ---- |
| Stroke.....                                | 73              | 12.3                | 18.9 | 7.9  | 19.2    | 25.3 | 9.3  | 21.9     | 29.0 | 10.5 |
| Hip Fracture.....                          | 70              | 5.7                 | 6.3  | 4.5  | 10.0    | 11.4 | 4.4  | 14.3     | 15.1 | 4.4  |
| Sepsis.....                                | 22              | 27.3                | 21.2 | ---- | 31.8    | 28.1 | ---- | 36.4     | 31.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 19              | 0.0                 | 6.0  | ---- | 0.0     | 10.6 | ---- | 5.3      | 14.0 | ---- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 1.9  | ---- | 0.0     | 3.6  | ---- | 0.0      | 5.5  | ---- |
| Hip Replacement/Reconstruction.....        | 30              | 3.3                 | 4.4  | ---- | 6.7     | 8.5  | ---- | 10.0     | 11.8 | ---- |
| Open Reduction of Hip Fracture.....        | 22              | 9.1                 | 5.6  | ---- | 13.6    | 10.5 | ---- | 22.7     | 14.0 | ---- |
| Prostatectomy.....                         | 63              | 0.0                 | 1.0  | 1.6  | 4.8     | 2.3  | 3.2  | 4.8      | 4.0  | 2.7  |
| Cholecystectomy.....                       | 43              | 0.0                 | 2.0  | ---- | 0.0     | 3.6  | ---- | 2.3      | 4.8  | ---- |
| Hysterectomy.....                          | 27              | 0.0                 | 0.8  | ---- | 3.7     | 1.8  | ---- | 3.7      | 2.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MERCY HOSPITAL ANDERSON

Medicare Provider Number: 360001

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years  
Proportion female..... 60.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 10.7 %  
Admitted for emergency..... 88.3 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 42.5 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 17.7 %  
Cerebrovascular degeneration..... 4.4 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.5%  
State ..... 29.8%  
Outside State ..... 2.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 192  
Occupancy Rate ..... 64.0 %  
Ownership/Control..... Church  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.1843

### STAFFING:

Total Number of Physicians..... 146  
Percent of Physicians Board  
Certified Specialists..... 85.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 158  
Licensed Practical Nurses ..... 30

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERCY HOSPITAL OF HAMILTON & FAIRFIELD

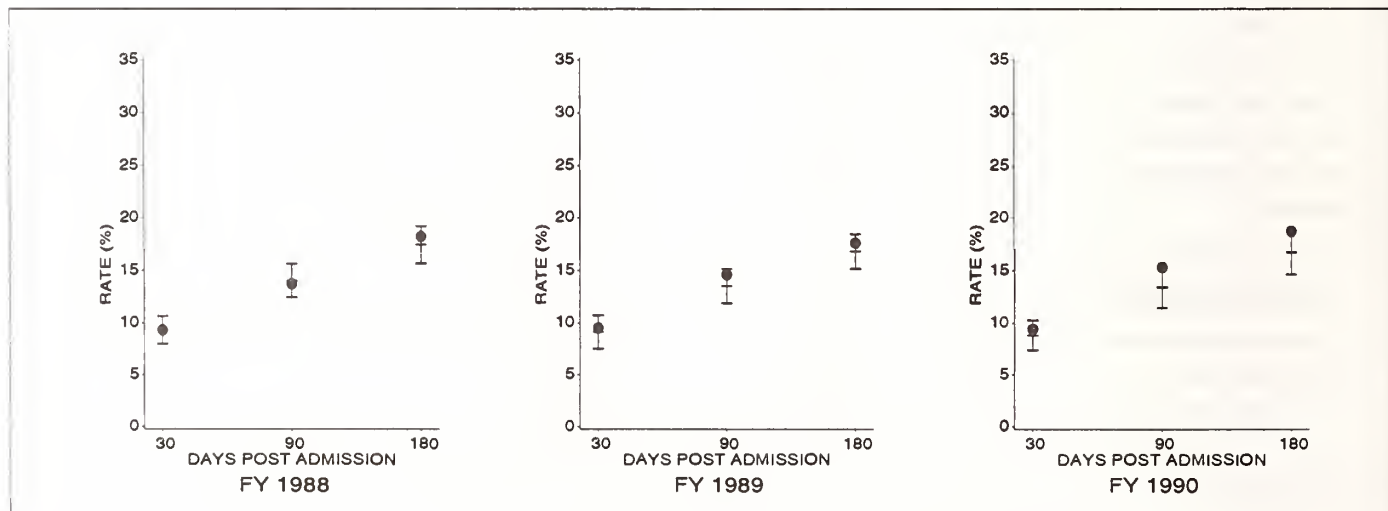
100 RIVERFRONT PLAZA  
HAMILTON, OH 45011  
Medicare Provider Number: 360056

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2892            | 9.4                 | 8.8  | 0.7  | 15.3    | 13.4 | 1.0  | 18.7     | 16.7 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 75              | 24.0                | 24.9 | 5.1  | 25.3    | 27.4 | 5.8  | 32.0     | 30.1 | 5.9  |
| Congestive Heart Failure.....              | 149             | 12.1                | 13.8 | 3.1  | 24.8    | 21.7 | 4.2  | 28.2     | 27.6 | 3.9  |
| Pneumonia/Influenza.....                   | 172             | 20.3                | 16.5 | 4.5  | 26.7    | 22.6 | 6.2  | 30.8     | 26.7 | 7.0  |
| Chronic Obstructive Pulmonary Disease..... | 49              | 10.2                | 6.9  | ---- | 18.4    | 12.2 | ---- | 22.4     | 16.3 | ---- |
| Transient Cerebral Ischemia.....           | 62              | 0.0                 | 1.5  | 2.1  | 0.0     | 3.3  | 3.9  | 3.2      | 5.4  | 3.4  |
| Stroke.....                                | 96              | 18.8                | 21.0 | 4.3  | 25.0    | 26.8 | 6.4  | 28.1     | 30.6 | 6.2  |
| Hip Fracture.....                          | 91              | 9.9                 | 6.4  | 4.4  | 13.2    | 11.3 | 5.1  | 15.4     | 14.7 | 4.6  |
| Sepsis.....                                | 29              | 24.1                | 27.5 | ---- | 44.8    | 35.7 | ---- | 51.7     | 40.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 5               | 20.0                | 4.7  | ---- | 20.0    | 5.7  | ---- | 20.0     | 7.1  | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 2.0  | ---- | 0.0     | 4.2  | ---- | 0.0      | 6.6  | ---- |
| Carotid Endarterectomy.....                | 38              | 2.6                 | 1.5  | ---- | 2.6     | 2.8  | ---- | 5.3      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 39              | 7.7                 | 3.7  | ---- | 10.3    | 7.1  | ---- | 10.3     | 9.8  | ---- |
| Open Reduction of Hip Fracture.....        | 51              | 5.9                 | 5.6  | 3.3  | 5.9     | 10.1 | 6.2  | 9.8      | 13.3 | 5.6  |
| Prostatectomy.....                         | 119             | 0.0                 | 1.0  | 1.3  | 1.7     | 2.4  | 1.7  | 3.4      | 4.1  | 2.2  |
| Cholecystectomy.....                       | 69              | 5.8                 | 3.2  | 3.5  | 10.1    | 6.0  | 5.1  | 15.9     | 8.0  | 6.7  |
| Hysterectomy.....                          | 8               | 0.0                 | 1.0  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MERCY HOSPITAL OF HAMILTON & FAIRFIELD

Medicare Provider Number: 360056

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.3 years  
Proportion female..... 55.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.9 %  
Transferred from skilled nursing facility..... 2.2 %  
Admitted for elective procedure..... 15.1 %  
Admitted for emergency..... 59.6 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 36.2 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 16.9 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 70.7%  
State ..... 25.8%  
Outside State ..... 3.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.2 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 263  
Occupancy Rate ..... 62.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 44.5 %  
Case Mix Index (CMI) ..... 1.2619

### STAFFING:

Total Number of Physicians..... 319  
Percent of Physicians Board  
Certified Specialists ..... 81.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 248  
Licensed Practical Nurses ..... 72

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERCY HOSPITAL WILLARD

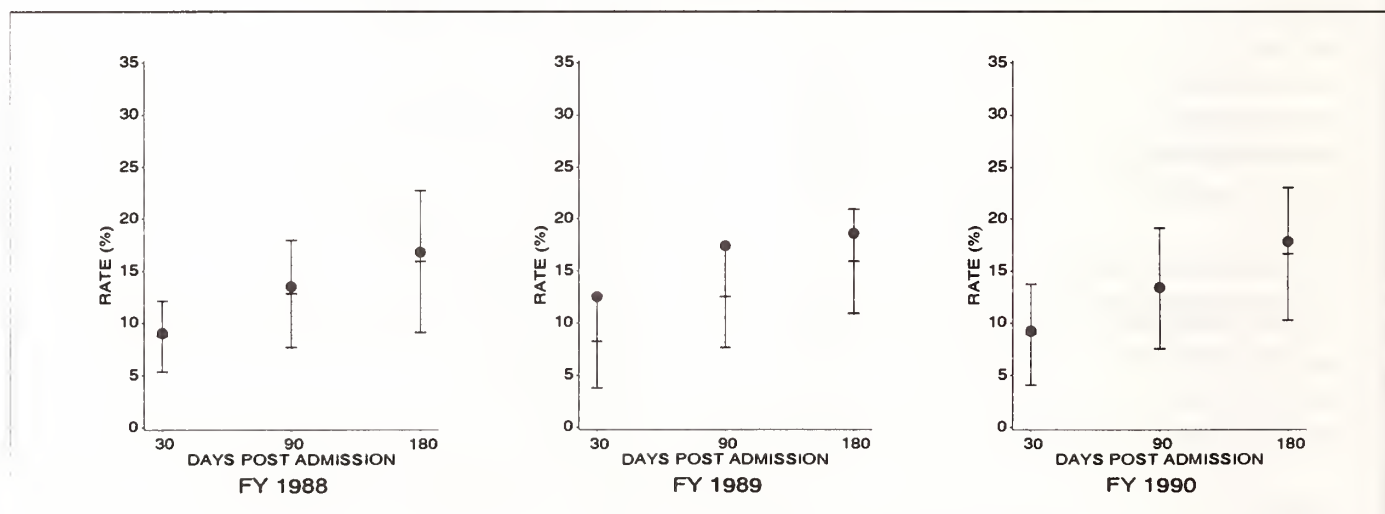
110 E HOWARD ST  
WILLARD, OH 44890  
Medicare Provider Number: 360063

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 314             | 9.2                 | 8.9  | 2.4  | 13.4    | 13.3 | 2.9  | 17.8     | 16.6 | 3.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 40.0                | 23.2 | ---- | 40.0    | 25.4 | ---- | 40.0     | 28.0 | ---- |
| Congestive Heart Failure.....              | 25              | 8.0                 | 15.5 | ---- | 24.0    | 23.9 | ---- | 32.0     | 29.7 | ---- |
| Pneumonia/Influenza.....                   | 40              | 20.0                | 14.6 | ---- | 22.5    | 20.1 | ---- | 27.5     | 24.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 0.0                 | 8.3  | ---- | 0.0     | 14.3 | ---- | 0.0      | 19.0 | ---- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 2.5  | ---- | 0.0     | 6.0  | ---- | 0.0      | 10.1 | ---- |
| Stroke.....                                | 11              | 36.4                | 20.2 | ---- | 36.4    | 25.3 | ---- | 36.4     | 28.7 | ---- |
| Hip Fracture.....                          | 10              | 0.0                 | 7.4  | ---- | 10.0    | 13.7 | ---- | 10.0     | 17.8 | ---- |
| Sepsis.....                                | 4               | 25.0                | 38.4 | ---- | 25.0    | 46.4 | ---- | 25.0     | 50.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 3.4  | ---- | 0.0     | 6.6  | ---- | 0.0      | 9.5  | ---- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 8.7  | ---- | 33.3    | 17.4 | ---- | 33.3     | 23.1 | ---- |
| Prostatectomy.....                         | 5               | 0.0                 | 0.5  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.5  | ---- |
| Cholecystectomy.....                       | 4               | 0.0                 | 0.7  | ---- | 0.0     | 1.3  | ---- | 0.0      | 1.8  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MERCY HOSPITAL WILLARD

Medicare Provider Number: 360063

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.2 years |
| Proportion female.....        | 59.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 49.4 % |
| Transferred from skilled nursing facility..... | 14.6 % |
| Admitted for elective procedure.....           | 7.3 %  |
| Admitted for emergency.....                    | 38.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 3.8 %  |
| Chronic cardiovascular disease..... | 32.2 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 1.9 %  |
| Chronic pulmonary disease.....      | 16.6 % |
| Cerebrovascular degeneration.....   | 1.6 %  |
| Diabetes mellitus.....              | 7.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 67.1%  |
| State .....         | 32.3%  |
| Outside State ..... | 0.6%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.7 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 54     |
| Occupancy Rate .....       | 25.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 31.5 % |
| Case Mix Index (CMI) ..... | 1.0751 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 13     |
| Percent of Physicians Board<br>Certified Specialists ..... | 46.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 34     |
| Licensed Practical Nurses .....                            | 16     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERCY MEDICAL CENTER OF SPRINGFIELD

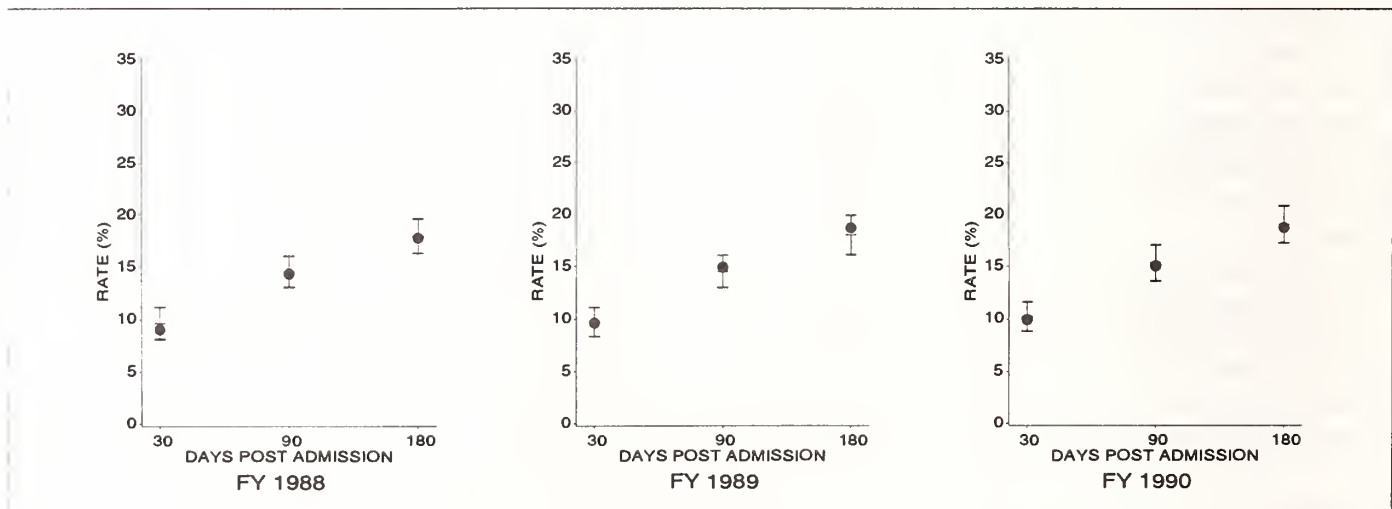
1343 FOUNTAIN BLVD  
SPRINGFIELD, OH 45501  
Medicare Provider Number: 360086

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2260            | 9.9                 | 10.2 | 0.7   | 15.0    | 15.3 | 0.9   | 18.7     | 19.0 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 79              | 30.4                | 29.7 | 6.7   | 34.2    | 32.6 | 6.0   | 36.7     | 35.6 | 5.8   |
| Congestive Heart Failure.....              | 131             | 12.2                | 14.0 | 3.4   | 20.6    | 22.2 | 4.2   | 29.8     | 28.4 | 4.2   |
| Pneumonia/Influenza.....                   | 145             | 20.0                | 18.9 | 3.4   | 28.3    | 25.6 | 4.6   | 33.1     | 29.8 | 4.9   |
| Chronic Obstructive Pulmonary Disease..... | 39              | 10.3                | 8.7  | ----- | 12.8    | 15.1 | ----- | 15.4     | 19.8 | ----- |
| Transient Cerebral Ischemia.....           | 31              | 0.0                 | 2.1  | ----- | 0.0     | 4.6  | ----- | 0.0      | 7.3  | ----- |
| Stroke.....                                | 101             | 20.8                | 23.0 | 4.6   | 27.7    | 30.4 | 5.3   | 32.7     | 34.7 | 5.0   |
| Hip Fracture.....                          | 54              | 1.9                 | 6.0  | 5.2   | 9.3     | 10.7 | 7.1   | 11.1     | 14.1 | 7.7   |
| Sepsis.....                                | 41              | 17.1                | 23.7 | ----- | 24.4    | 32.4 | ----- | 31.7     | 37.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 1               | 100.0               | 12.9 | ----- | 100.0   | 14.6 | ----- | 100.0    | 16.1 | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 17              | 0.0                 | 3.4  | ----- | 0.0     | 6.6  | ----- | 0.0      | 9.7  | ----- |
| Carotid Endarterectomy.....                | 17              | 0.0                 | 1.7  | ----- | 5.9     | 3.3  | ----- | 5.9      | 4.9  | ----- |
| Hip Replacement/Reconstruction.....        | 43              | 0.0                 | 2.6  | ----- | 2.3     | 4.9  | ----- | 2.3      | 6.8  | ----- |
| Open Reduction of Hip Fracture.....        | 36              | 2.8                 | 5.6  | ----- | 11.1    | 10.3 | ----- | 13.9     | 13.8 | ----- |
| Prostatectomy.....                         | 53              | 0.0                 | 2.1  | 2.6   | 1.9     | 5.1  | 4.1   | 7.5      | 8.3  | 5.5   |
| Cholecystectomy.....                       | 58              | 1.7                 | 4.0  | 3.1   | 5.2     | 7.3  | 4.1   | 6.9      | 9.4  | 4.3   |
| Hysterectomy.....                          | 6               | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MERCY MEDICAL CENTER OF SPRINGFIELD

Medicare Provider Number: 360086

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.6 years |
| Proportion female.....        | 57.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 39.0 % |
| Transferred from skilled nursing facility..... | 6.9 %  |
| Admitted for elective procedure.....           | 17.2 % |
| Admitted for emergency.....                    | 57.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.6 %  |
| Chronic cardiovascular disease..... | 34.7 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 4.1 %  |
| Chronic pulmonary disease.....      | 14.2 % |
| Cerebrovascular degeneration.....   | 4.1 %  |
| Diabetes mellitus.....              | 9.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                    |        |
|--------------------|--------|
| County/City.....   | 86.7%  |
| State.....         | 11.4%  |
| Outside State..... | 1.9%   |
| Total.....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|               |          |
|---------------|----------|
| Hospital..... | 7.9 Days |
| State.....    | 8.3 Days |
| National..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                           |        |
|---------------------------|--------|
| Total Beds.....           | 236    |
| Occupancy Rate.....       | 73.0 % |
| Ownership/Control.....    | Church |
| Medicare Discharges.....  | 41.8 % |
| Case Mix Index (CMI)..... | 1.2884 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 112    |
| Percent of Physicians Board<br>Certified Specialists..... | 78.6 % |
| Medical Residents/Interns.....                            | 0      |
| Registered Nurses.....                                    | 251    |
| Licensed Practical Nurses.....                            | 46     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit.....                       | No  |
| Cardiac Intensive Care.....          | Yes |
| Comprehensive Geriatric.....         | No  |
| Hospice Care.....                    | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant.....         | No  |
| Other Intensive Care.....            | No  |
| Trauma Center.....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                          |     |
|--------------------------|-----|
| Alcohol/Drug.....        | No  |
| Rehabilitation.....      | Yes |
| Psychiatric.....         | Yes |
| Medicare Swing Beds..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERCY MEMORIAL HOSPITAL

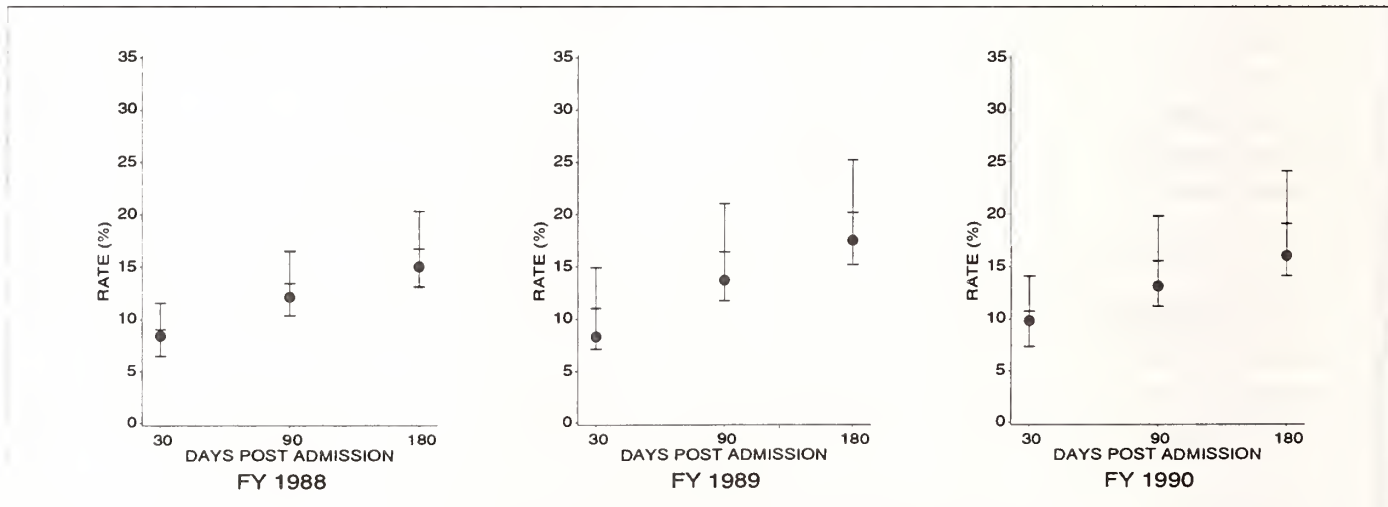
904 SCIOTO AVE  
URBANA, OH 43078  
Medicare Provider Number: 360088

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 643             | 9.8                 | 10.7 | 1.7  | 13.1    | 15.5 | 2.2  | 16.0     | 19.1 | 2.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 31              | 19.4                | 28.8 | ---- | 19.4    | 31.9 | ---- | 19.4     | 34.8 | ---- |
| Congestive Heart Failure.....              | 31              | 16.1                | 14.1 | ---- | 25.8    | 21.8 | ---- | 29.0     | 28.1 | ---- |
| Pneumonia/Influenza.....                   | 55              | 18.2                | 15.1 | 5.5  | 21.8    | 20.8 | 5.6  | 25.5     | 24.5 | 5.9  |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 11.6 | ---- | 9.1     | 19.9 | ---- | 9.1      | 25.8 | ---- |
| Transient Cerebral Ischemia.....           | 22              | 0.0                 | 1.7  | ---- | 0.0     | 3.9  | ---- | 0.0      | 6.5  | ---- |
| Stroke.....                                | 25              | 20.0                | 19.0 | ---- | 20.0    | 25.4 | ---- | 20.0     | 29.1 | ---- |
| Hip Fracture.....                          | 29              | 10.3                | 10.5 | ---- | 10.3    | 17.5 | ---- | 13.8     | 22.0 | ---- |
| Sepsis.....                                | 12              | 25.0                | 30.3 | ---- | 41.7    | 39.1 | ---- | 41.7     | 44.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 3.4  | ---- | 12.5    | 6.7  | ---- | 12.5     | 9.9  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 14              | 7.1                 | 7.8  | ---- | 7.1     | 13.7 | ---- | 7.1      | 17.3 | ---- |
| Open Reduction of Hip Fracture.....        | 15              | 0.0                 | 8.1  | ---- | 0.0     | 14.5 | ---- | 6.7      | 19.0 | ---- |
| Prostatectomy.....                         | 9               | 0.0                 | 0.8  | ---- | 0.0     | 1.7  | ---- | 11.1     | 2.9  | ---- |
| Cholecystectomy.....                       | 8               | 0.0                 | 3.0  | ---- | 0.0     | 5.4  | ---- | 0.0      | 7.1  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 1.8  | ---- | 0.0     | 3.9  | ---- | 0.0      | 6.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MERCY MEMORIAL HOSPITAL

Medicare Provider Number: 360088

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.7 years |
| Proportion female.....        | 62.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 28.3 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 70.0 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.4 %  |
| Chronic cardiovascular disease..... | 49.8 % |
| Chronic liver disease.....          | 1.6 %  |
| Chronic renal disease.....          | 2.8 %  |
| Chronic pulmonary disease.....      | 18.2 % |
| Cerebrovascular degeneration.....   | 4.8 %  |
| Diabetes mellitus.....              | 8.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.6%  |
| State .....         | 11.3%  |
| Outside State ..... | 2.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.9 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                 |
|----------------------------|-----------------|
| Total Beds .....           | 68              |
| Occupancy Rate .....       | 35.0 %          |
| Ownership/Control.....     | Church          |
| Medicare Discharges .....  | (Not Available) |
| Case Mix Index (CMI) ..... | 1.1707          |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 23     |
| Percent of Physicians Board<br>Certified Specialists ..... | 73.9 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 61     |
| Licensed Practical Nurses .....                            | 12     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# **MERIDIA HILLCREST HOSPITAL**

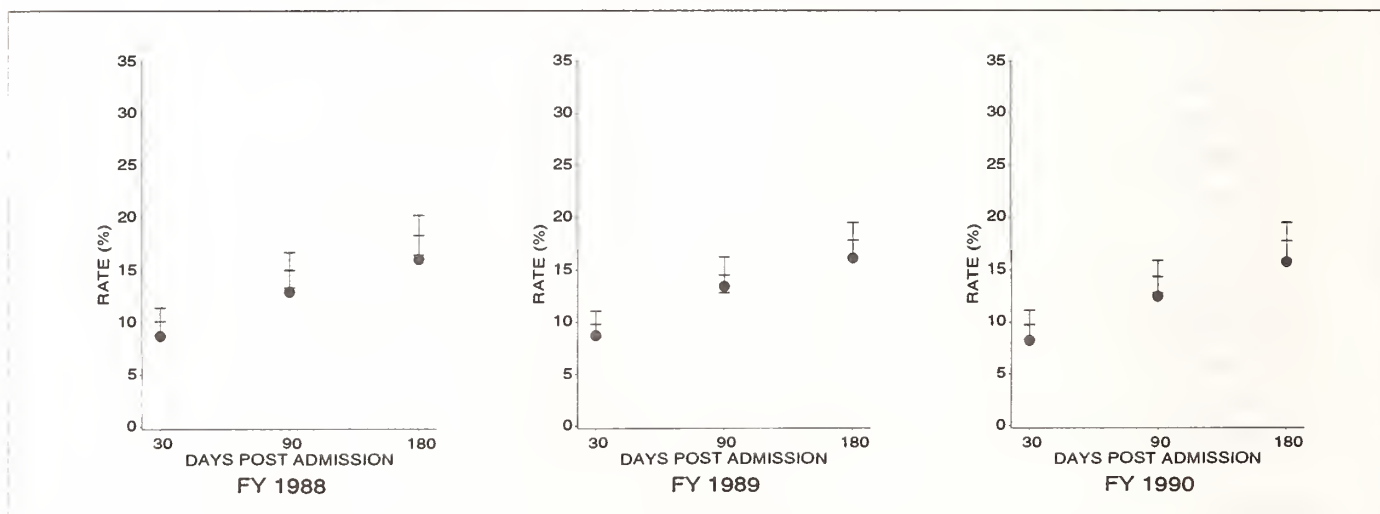
6780 MAYFIELD RD  
MAYFIELD HEIGHTS, OH 44124  
Medicare Provider Number: 360230

## **FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3501            | 8.2                 | 9.7  | 0.7   | 12.4    | 14.3 | 0.8   | 15.7     | 17.7 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 125             | 15.2                | 29.7 | 5.8   | 21.6    | 32.5 | 5.6   | 25.6     | 35.1 | 5.2   |
| Congestive Heart Failure.....              | 210             | 15.2                | 15.2 | 2.5   | 21.9    | 24.0 | 3.7   | 30.5     | 30.4 | 5.8   |
| Pneumonia/Influenza.....                   | 102             | 11.8                | 15.8 | 5.4   | 19.6    | 20.9 | 5.7   | 22.5     | 24.5 | 5.1   |
| Chronic Obstructive Pulmonary Disease..... | 54              | 7.4                 | 8.5  | 5.0   | 14.8    | 14.5 | 5.8   | 20.4     | 19.2 | 6.5   |
| Transient Cerebral Ischemia.....           | 45              | 0.0                 | 1.6  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.7  | ----- |
| Stroke.....                                | 166             | 22.9                | 21.5 | 3.6   | 30.7    | 28.0 | 4.4   | 32.5     | 31.7 | 4.2   |
| Hip Fracture.....                          | 108             | 2.8                 | 6.6  | 3.7   | 7.4     | 11.7 | 5.3   | 11.1     | 15.4 | 4.9   |
| Sepsis.....                                | 34              | 5.9                 | 24.4 | ----- | 14.7    | 32.2 | ----- | 20.6     | 36.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 35              | 2.9                 | 3.7  | ----- | 8.6     | 7.0  | ----- | 11.4     | 9.8  | ----- |
| Carotid Endarterectomy.....                | 28              | 0.0                 | 1.2  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.8  | ----- |
| Hip Replacement/Reconstruction.....        | 86              | 1.2                 | 2.8  | 2.6   | 2.3     | 5.0  | 3.4   | 5.8      | 6.8  | 3.3   |
| Open Reduction of Hip Fracture.....        | 58              | 1.7                 | 6.4  | 5.6   | 6.9     | 11.9 | 6.5   | 8.6      | 15.9 | 8.5   |
| Prostatectomy.....                         | 138             | 0.7                 | 0.8  | 0.7   | 1.4     | 1.8  | 1.2   | 1.4      | 3.1  | 2.0   |
| Cholecystectomy.....                       | 77              | 0.0                 | 2.2  | 2.3   | 2.6     | 4.1  | 2.7   | 7.8      | 5.5  | 3.8   |
| Hysterectomy.....                          | 38              | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## **OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





# MERIDIA HILLCREST HOSPITAL

Medicare Provider Number: 360230

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.1 years  
Proportion female..... 58.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.7 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 19.9 %  
Admitted for emergency..... 54.6 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 35.0 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 11.9 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 79.7%  
State..... 18.2%  
Outside State..... 2.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.8 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 281  
Occupancy Rate..... 73.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 37.7 %  
Case Mix Index (CMI)..... 1.2999

### STAFFING:

Total Number of Physicians..... 302  
Percent of Physicians Board  
Certified Specialists..... 90.7 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 368  
Licensed Practical Nurses..... 92

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... Yes  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERIDIA SUBURBAN HOSPITAL

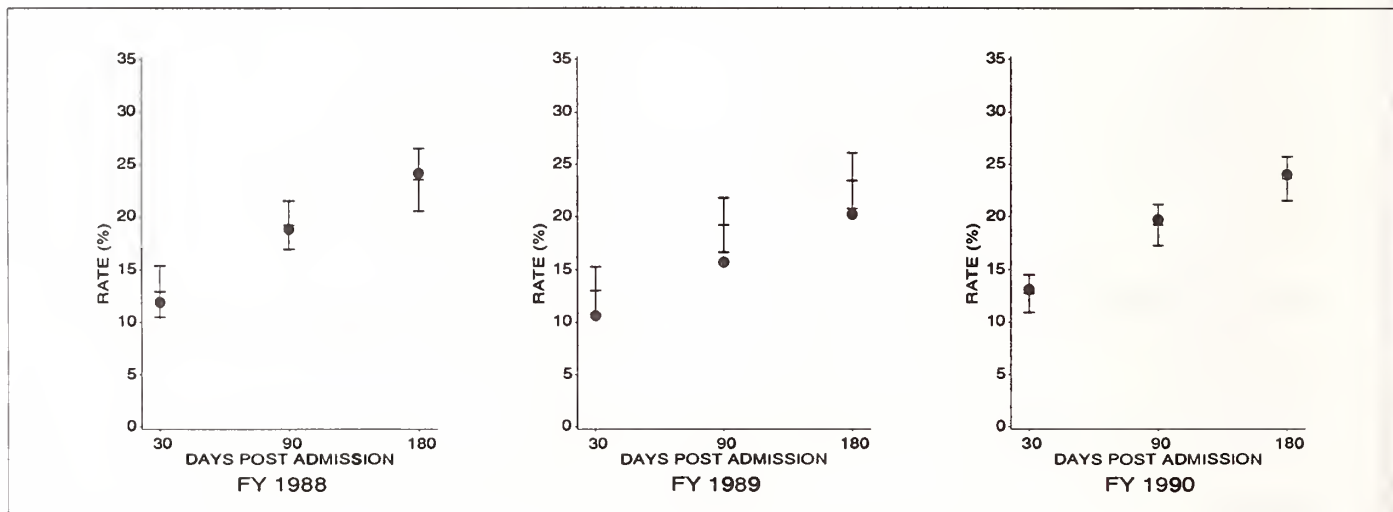
4180 WARRENSVILLE CENTER ROAD  
CLEVELAND, OH 44122  
Medicare Provider Number: 360144

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1703            | 13.1                | 12.7 | 0.9   | 19.7    | 19.2 | 1.0   | 24.0     | 23.6 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23              | 39.1                | 25.1 | ----- | 39.1    | 27.5 | ----- | 39.1     | 29.8 | ----- |
| Congestive Heart Failure.....              | 135             | 16.3                | 16.1 | 4.4   | 28.1    | 25.3 | 4.6   | 32.6     | 31.8 | 4.1   |
| Pneumonia/Influenza.....                   | 93              | 30.1                | 22.6 | 7.9   | 35.5    | 30.7 | 8.6   | 43.0     | 35.7 | 8.2   |
| Chronic Obstructive Pulmonary Disease..... | 28              | 3.6                 | 12.4 | ----- | 10.7    | 19.8 | ----- | 21.4     | 25.1 | ----- |
| Transient Cerebral Ischemia.....           | 36              | 2.8                 | 1.8  | ----- | 5.6     | 4.1  | ----- | 8.3      | 6.8  | ----- |
| Stroke.....                                | 81              | 16.0                | 22.8 | 7.5   | 32.1    | 29.7 | 5.6   | 33.3     | 33.4 | 6.2   |
| Hip Fracture.....                          | 28              | 10.7                | 7.2  | ----- | 14.3    | 12.8 | ----- | 17.9     | 16.4 | ----- |
| Sepsis.....                                | 30              | 23.3                | 30.7 | ----- | 36.7    | 44.7 | ----- | 40.0     | 51.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 11              | 9.1                 | 3.5  | ----- | 9.1     | 6.2  | ----- | 18.2     | 8.6  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 11              | 18.2                | 7.9  | ----- | 27.3    | 13.8 | ----- | 27.3     | 17.7 | ----- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 6.2  | ----- | 9.1     | 11.3 | ----- | 18.2     | 14.8 | ----- |
| Prostatectomy.....                         | 40              | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.0  | ----- |
| Cholecystectomy.....                       | 15              | 13.3                | 5.9  | ----- | 13.3    | 9.4  | ----- | 13.3     | 11.1 | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MERIDIA SUBURBAN HOSPITAL

Medicare Provider Number: 360144

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 28.9 %  
Transferred from skilled nursing facility..... 14.0 %  
Admitted for elective procedure..... 8.9 %  
Admitted for emergency..... 68.7 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 39.2 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 5.6 %  
Chronic pulmonary disease..... 15.6 %  
Cerebrovascular degeneration..... 7.2 %  
Diabetes mellitus..... 10.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 93.7%  
State ..... 5.0%  
Outside State ..... 1.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 180  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 54.3 %  
Case Mix Index (CMI) ..... 1.2669

### STAFFING:

Total Number of Physicians..... 241  
Percent of Physicians Board  
Certified Specialists..... 67.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 123  
Licensed Practical Nurses ..... 43

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# METRO HEALTH MEDICAL CENTER

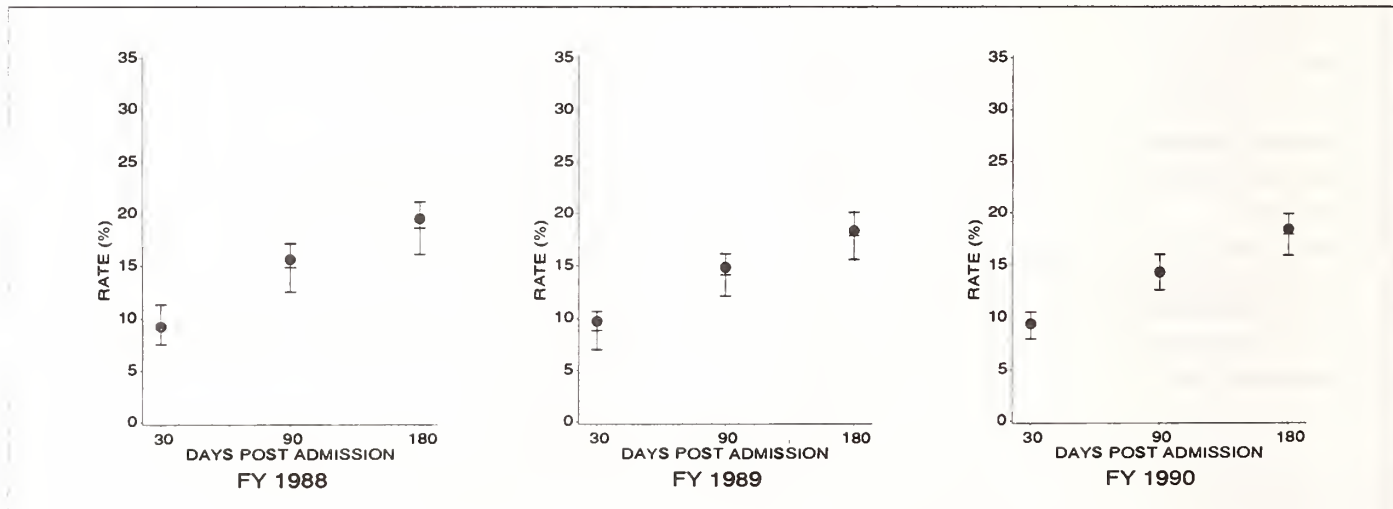
3395 SCRANTON RD  
CLEVELAND, OH 44109  
Medicare Provider Number: 360059

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2189            | 9.4                 | 9.2  | 0.7   | 14.3    | 14.3 | 0.9   | 18.4     | 17.9 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 41              | 39.0                | 25.8 | ----- | 41.5    | 28.1 | ----- | 41.5     | 30.6 | ----- |
| Congestive Heart Failure.....              | 127             | 15.0                | 13.2 | 3.2   | 21.3    | 20.7 | 4.3   | 29.9     | 26.4 | 5.4   |
| Pneumonia/Influenza.....                   | 45              | 20.0                | 12.0 | ----- | 24.4    | 16.8 | ----- | 28.9     | 20.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 37              | 5.4                 | 9.9  | ----- | 5.4     | 16.9 | ----- | 13.5     | 22.1 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.3  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.4  | ----- |
| Stroke.....                                | 66              | 12.1                | 18.4 | 6.8   | 12.1    | 23.6 | 7.8   | 13.6     | 26.7 | 8.5   |
| Hip Fracture.....                          | 30              | 3.3                 | 5.8  | ----- | 6.7     | 10.2 | ----- | 16.7     | 13.3 | ----- |
| Sepsis.....                                | 10              | 30.0                | 27.4 | ----- | 40.0    | 35.4 | ----- | 40.0     | 39.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 8               | 0.0                 | 2.0  | ----- | 0.0     | 2.6  | ----- | 0.0      | 3.2  | ----- |
| Coronary Artery Bypass Graft.....          | 29              | 24.1                | 4.1  | ----- | 24.1    | 5.8  | ----- | 24.1     | 6.8  | ----- |
| Initial Pacemaker Insertion.....           | 8               | 12.5                | 5.9  | ----- | 12.5    | 11.3 | ----- | 50.0     | 15.6 | ----- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 0.8  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.3  | ----- |
| Hip Replacement/Reconstruction.....        | 27              | 0.0                 | 3.1  | ----- | 0.0     | 6.3  | ----- | 14.8     | 8.9  | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 6.4  | ----- | 0.0     | 11.0 | ----- | 12.5     | 14.4 | ----- |
| Prostatectomy.....                         | 34              | 0.0                 | 1.2  | ----- | 2.9     | 2.7  | ----- | 2.9      | 4.5  | ----- |
| Cholecystectomy.....                       | 19              | 0.0                 | 3.3  | ----- | 0.0     | 7.0  | ----- | 5.3      | 10.4 | ----- |
| Hysterectomy.....                          | 36              | 0.0                 | 0.8  | ----- | 2.8     | 1.8  | ----- | 2.8      | 3.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# METRO HEALTH MEDICAL CENTER

Medicare Provider Number: 360059

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 67.9 years  
Proportion female..... 53.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 22.3 %  
Transferred from skilled nursing facility..... 1.2 %  
Admitted for elective procedure..... 22.1 %  
Admitted for emergency..... 54.1 %

### COMORBIDITIES:

Cancer..... 10.5 %  
Chronic cardiovascular disease..... 31.7 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 5.4 %  
Chronic pulmonary disease..... 12.8 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 10.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 90.1%  
State ..... 8.1%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.8 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 1014  
Occupancy Rate ..... 76.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 23.0 %  
Case Mix Index (CMI) ..... 1.3582

### STAFFING:

Total Number of Physicians..... 677  
Percent of Physicians Board  
Certified Specialists ..... 80.9 %  
Medical Residents/Interns ..... 243  
Registered Nurses..... 896  
Licensed Practical Nurses ..... 94

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# METROHEALTH HOSPITAL FOR WOMEN

1881 TORBENSON DRIVE  
CLEVELAND, OH 44112  
Medicare Provider Number: 360061

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1                  | 0.0                 | 1.6  | ----- | 0.0     | 3.1  | ----- | 0.0      | 5.0  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# METROHEALTH HOSPITAL FOR WOMEN

Medicare Provider Number: 360061

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 83.0 years

Proportion female..... 0.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 100.0 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %

Chronic cardiovascular disease..... 0.0 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 0.0 %

Chronic pulmonary disease..... 0.0 %

Cerebrovascular degeneration..... 0.0 %

Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 100.0%

State..... 0.0%

Outside State..... 0.0%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.5 Days

State..... 8.3 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 62

Occupancy Rate..... 19.0 %

Ownership/Control..... Local Government

Medicare Discharges..... 0.4 %

Case Mix Index (CMI)..... 0.9928

### STAFFING:

Total Number of Physicians..... 46

Percent of Physicians Board  
Certified Specialists..... 63.0 %

Medical Residents/Interns..... 0

Registered Nurses..... 57

Licensed Practical Nurses..... 17

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... No

Comprehensive Geriatric..... No

Hospice Care..... No

Medical/Surgical Intensive Care..... No

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MIAMI VALLEY HOSPITAL

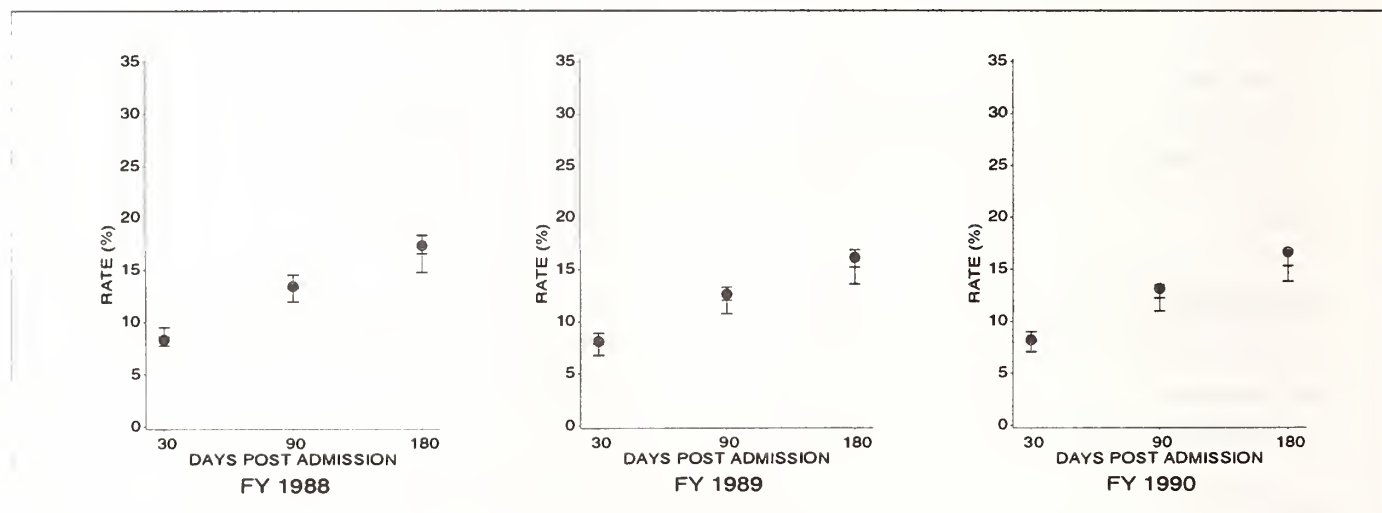
1 WYOMING ST  
DAYTON, OH 45409  
Medicare Provider Number: 360051

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4662            | 8.2                 | 8.0  | 0.5   | 13.1    | 12.2 | 0.6   | 16.6     | 15.3 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 147             | 24.5                | 22.0 | 4.1   | 27.9    | 24.7 | 4.4   | 31.3     | 27.2 | 5.1   |
| Congestive Heart Failure.....              | 213             | 15.5                | 14.3 | 2.5   | 27.2    | 22.7 | 3.5   | 34.7     | 28.8 | 4.2   |
| Pneumonia/Influenza.....                   | 131             | 20.6                | 17.1 | 5.0   | 25.2    | 23.5 | 6.8   | 31.3     | 27.5 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 54              | 9.3                 | 7.0  | 4.8   | 13.0    | 12.6 | 5.6   | 16.7     | 16.9 | 5.1   |
| Transient Cerebral Ischemia.....           | 60              | 0.0                 | 2.0  | 2.5   | 1.7     | 4.3  | 3.7   | 3.3      | 6.8  | 4.5   |
| Stroke.....                                | 191             | 14.7                | 19.5 | 4.5   | 22.0    | 25.6 | 4.3   | 25.7     | 29.1 | 4.9   |
| Hip Fracture.....                          | 116             | 3.4                 | 5.6  | 3.4   | 6.9     | 10.2 | 5.2   | 8.6      | 13.3 | 6.1   |
| Sepsis.....                                | 47              | 29.8                | 25.1 | ----- | 40.4    | 33.9 | ----- | 46.8     | 38.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 80              | 1.2                 | 3.3  | 3.4   | 1.2     | 4.2  | 3.7   | 2.5      | 5.0  | 3.6   |
| Coronary Artery Bypass Graft.....          | 119             | 7.6                 | 5.3  | 2.6   | 11.8    | 7.5  | 3.6   | 11.8     | 8.5  | 3.6   |
| Initial Pacemaker Insertion.....           | 26              | 3.8                 | 3.7  | ----- | 3.8     | 6.7  | ----- | 7.7      | 9.0  | ----- |
| Carotid Endarterectomy.....                | 23              | 0.0                 | 1.0  | ----- | 0.0     | 1.9  | ----- | 4.3      | 2.9  | ----- |
| Hip Replacement/Reconstruction.....        | 72              | 1.4                 | 2.6  | 2.8   | 5.6     | 5.1  | 4.9   | 6.9      | 6.9  | 4.9   |
| Open Reduction of Hip Fracture.....        | 36              | 5.6                 | 5.1  | ----- | 8.3     | 9.3  | ----- | 8.3      | 12.4 | ----- |
| Prostatectomy.....                         | 156             | 1.3                 | 0.8  | 0.7   | 3.2     | 1.9  | 1.2   | 6.4      | 3.3  | 1.7   |
| Cholecystectomy.....                       | 90              | 3.3                 | 2.8  | 2.3   | 4.4     | 4.9  | 2.4   | 5.6      | 6.6  | 2.8   |
| Hysterectomy.....                          | 63              | 0.0                 | 0.8  | 1.4   | 0.0     | 2.0  | 2.5   | 3.2      | 3.3  | 2.3   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**MIAMI VALLEY HOSPITAL**  
Medicare Provider Number: 360051

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 71.6 years | Cancer.....                         | 7.7 %  |
| Proportion female.....                         | 56.2 %     | Chronic cardiovascular disease..... | 30.8 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.9 %  |
| Referred by personal or HMO physician.....     | 42.3 %     | Chronic renal disease.....          | 5.9 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 12.0 % |
| Admitted for elective procedure.....           | 24.8 %     | Cerebrovascular degeneration.....   | 5.0 %  |
| Admitted for emergency.....                    | 53.1 %     | Diabetes mellitus.....              | 8.5 %  |

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 74.4%  | Hospital .....                          | 8.9 Days |
| State .....                                  | 22.6%  | State .....                             | 8.3 Days |
| Outside State .....                          | 3.0%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

**HOSPITAL CHARACTERISTICS\***

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 757                 | Burn Unit .....                                 | Yes |
| Occupancy Rate .....                                               | 64.0 %              | Cardiac Intensive Care .....                    | Yes |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | Yes |
| Medicare Discharges .....                                          | 31.9 %              | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.4032              | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | Yes |
| Total Number of Physicians.....                                    | 385                 | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists.....          | 83.1 %              | Trauma Center .....                             | Yes |
| Medical Residents/Interns .....                                    | 58                  | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 870                 | Alcohol/Drug .....                              | Yes |
| Licensed Practical Nurses .....                                    | 22                  | Rehabilitation.....                             | Yes |
|                                                                    |                     | Psychiatric .....                               | Yes |
|                                                                    |                     | Medicare Swing Beds .....                       | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MIDDLETOWN REGIONAL HOSPITAL

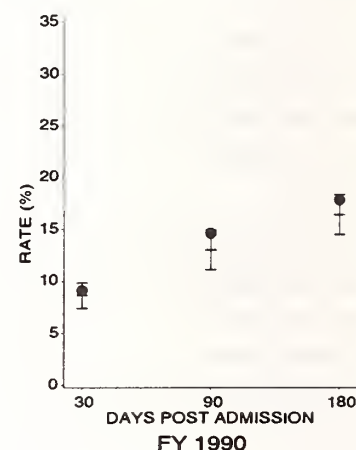
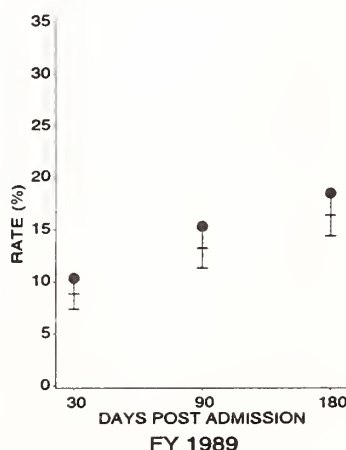
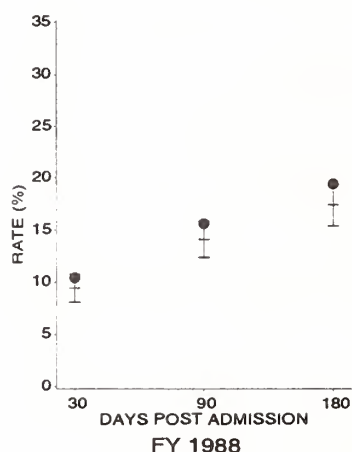
105 MCKNIGHT DRIVE  
MIDDLETOWN, OH 45044  
Medicare Provider Number: 360076

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2463            | 9.1                 | 8.6  | 0.6   | 14.6    | 13.0 | 1.0   | 17.8     | 16.4 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 86              | 38.4                | 23.5 | 7.8   | 39.5    | 26.9 | 7.5   | 40.7     | 29.8 | 7.2   |
| Congestive Heart Failure.....              | 136             | 11.8                | 14.8 | 4.1   | 25.0    | 23.3 | 4.1   | 31.6     | 29.5 | 4.2   |
| Pneumonia/Influenza.....                   | 112             | 13.4                | 15.1 | 4.1   | 21.4    | 20.9 | 5.7   | 29.5     | 24.7 | 6.7   |
| Chronic Obstructive Pulmonary Disease..... | 34              | 5.9                 | 5.2  | ----- | 8.8     | 10.0 | ----- | 11.8     | 13.9 | ----- |
| Transient Cerebral Ischemia.....           | 34              | 0.0                 | 1.6  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.7  | ----- |
| Stroke.....                                | 78              | 21.8                | 20.6 | 4.9   | 28.2    | 26.6 | 8.0   | 33.3     | 30.1 | 7.9   |
| Hip Fracture.....                          | 84              | 7.1                 | 5.7  | 3.0   | 13.1    | 10.2 | 5.3   | 17.9     | 13.6 | 6.6   |
| Sepsis.....                                | 31              | 25.8                | 27.8 | ----- | 35.5    | 35.5 | ----- | 41.9     | 40.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 25              | 0.0                 | 3.3  | ----- | 4.0     | 7.1  | ----- | 4.0      | 10.6 | ----- |
| Carotid Endarterectomy.....                | 17              | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.7  | ----- |
| Hip Replacement/Reconstruction.....        | 58              | 6.9                 | 3.0  | 3.7   | 12.1    | 5.6  | 5.5   | 12.1     | 7.5  | 5.6   |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 4.5  | ----- | 0.0     | 9.1  | ----- | 12.5     | 12.6 | ----- |
| Prostatectomy.....                         | 67              | 1.5                 | 0.9  | 1.3   | 1.5     | 2.1  | 1.9   | 4.5      | 3.7  | 2.4   |
| Cholecystectomy.....                       | 73              | 0.0                 | 2.3  | 2.8   | 2.7     | 4.3  | 3.9   | 2.7      | 5.6  | 4.3   |
| Hysterectomy.....                          | 21              | 0.0                 | 0.6  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MIDDLETOWN REGIONAL HOSPITAL

Medicare Provider Number: 360076

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.2 years

Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.9 %

Transferred from skilled nursing facility..... 0.6 %

Admitted for elective procedure..... 29.4 %

Admitted for emergency..... 58.5 %

### COMORBIDITIES:

Cancer..... 8.3 %

Chronic cardiovascular disease..... 32.4 %

Chronic liver disease..... 1.0 %

Chronic renal disease..... 2.5 %

Chronic pulmonary disease..... 14.6 %

Cerebrovascular degeneration..... 3.5 %

Diabetes mellitus..... 9.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.3%

State..... 20.7%

Outside State..... 2.0%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.3 Days

State..... 8.3 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 303

Occupancy Rate..... 63.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges..... 36.6 %

Case Mix Index (CMI)..... 1.2232

### STAFFING:

Total Number of Physicians..... 104

Percent of Physicians Board  
Certified Specialists..... 82.7 %

Medical Residents/Interns..... 0

Registered Nurses..... 276

Licensed Practical Nurses..... 25

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... Yes

Comprehensive Geriatric..... No

Hospice Care..... Yes

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes

Rehabilitation..... Yes

Psychiatric..... Yes

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

**MOLLY STARK HOSPITAL**

7900 COLUMBUS ROAD NORTHEAST

LOUISVILLE, OH 44641

Medicare Provider Number: 360240

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 16                 | 0.0                 | 0.5  | ---- | 0.0     | 1.3  | ---- | 6.3      | 2.4  | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 0                  |                     |      |      |         |      |      |          |      |      |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# MOLLY STARK HOSPITAL

Medicare Provider Number: 360240

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 52.3 years |
| Proportion female.....        | 6.3 %      |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 87.5 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 93.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.3 %  |
| Chronic cardiovascular disease..... | 0.0 %  |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 0.0 %  |
| Chronic pulmonary disease.....      | 0.0 %  |
| Cerebrovascular degeneration.....   | 12.5 % |
| Diabetes mellitus.....              | 0.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 65.2%  |
| State .....         | 34.8%  |
| Outside State ..... | 0.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.0 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 148              |
| Occupancy Rate .....       | 49.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 6.9 %            |
| Case Mix Index (CMI) ..... | 0.7381           |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 4               |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 0               |
| Registered Nurses.....                                     | 10              |
| Licensed Practical Nurses .....                            | 26              |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MORROW COUNTY HOSPITAL

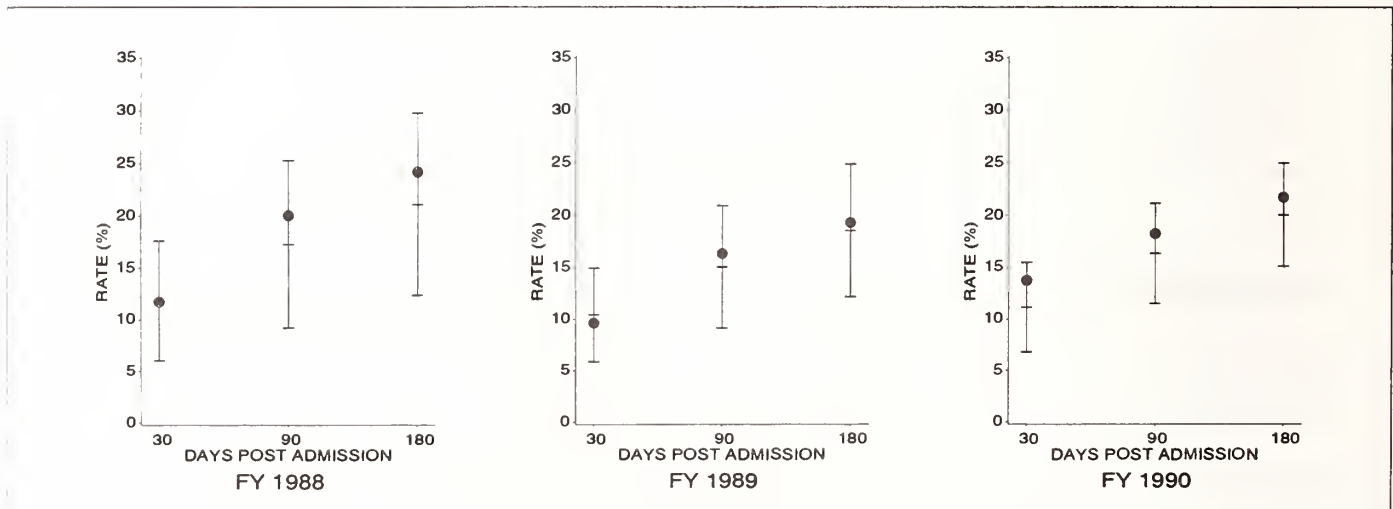
651 W MARION RD  
MOUNT GILEAD, OH 43338  
Medicare Provider Number: 360108

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 313             | 13.7                | 11.1 | 2.2   | 18.2    | 16.3 | 2.4   | 21.7     | 20.0 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15              | 26.7                | 33.9 | ----- | 46.7    | 37.9 | ----- | 53.3     | 41.2 | ----- |
| Congestive Heart Failure.....              | 26              | 19.2                | 15.2 | ----- | 26.9    | 23.8 | ----- | 26.9     | 30.1 | ----- |
| Pneumonia/Influenza.....                   | 41              | 31.7                | 19.4 | ----- | 36.6    | 25.9 | ----- | 39.0     | 30.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 8.4  | ----- | 0.0     | 13.1 | ----- | 0.0      | 16.6 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.9  | ----- | 0.0     | 4.2  | ----- | 0.0      | 7.0  | ----- |
| Stroke.....                                | 14              | 7.1                 | 19.9 | ----- | 7.1     | 25.2 | ----- | 7.1      | 28.5 | ----- |
| Hip Fracture.....                          | 10              | 0.0                 | 5.1  | ----- | 0.0     | 9.5  | ----- | 0.0      | 12.7 | ----- |
| Sepsis.....                                | 1               | 0.0                 | 4.7  | ----- | 0.0     | 7.0  | ----- | 0.0      | 9.9  | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 4.4  | ----- | 0.0     | 9.0  | ----- | 0.0      | 12.8 | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 3.3  | ----- | 0.0     | 6.7  | ----- | 0.0      | 9.4  | ----- |
| Prostatectomy.....                         | 12              | 8.3                 | 0.8  | ----- | 8.3     | 1.8  | ----- | 16.7     | 3.0  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.0  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MORROW COUNTY HOSPITAL

Medicare Provider Number: 360108

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.6 years |
| Proportion female.....        | 55.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 33.5 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 23.3 % |
| Admitted for emergency.....                    | 75.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.1 %  |
| Chronic cardiovascular disease..... | 47.3 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 3.5 %  |
| Chronic pulmonary disease.....      | 16.9 % |
| Cerebrovascular degeneration.....   | 6.7 %  |
| Diabetes mellitus.....              | 9.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 79.8%  |
| State .....         | 17.4%  |
| Outside State ..... | 2.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.8 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 62               |
| Occupancy Rate .....       | 53.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 44.3 %           |
| Case Mix Index (CMI) ..... | 1.0738           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 9      |
| Percent of Physicians Board<br>Certified Specialists ..... | 77.8 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 22     |
| Licensed Practical Nurses.....                             | 2      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MT CARMEL HEALTH CENTER

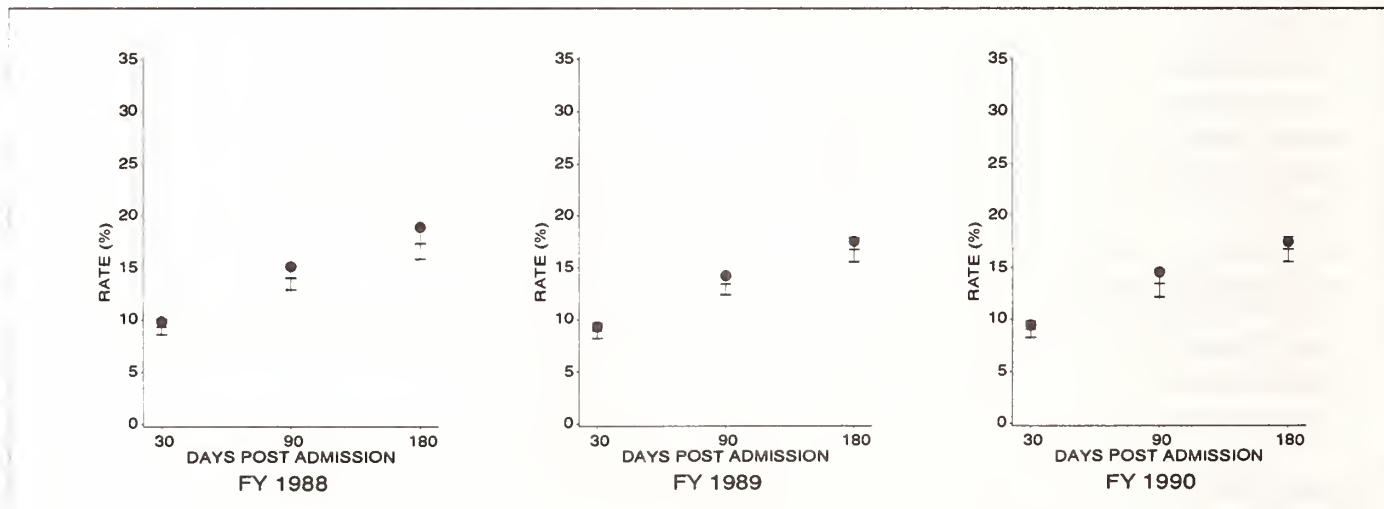
793 W STATE ST  
COLUMBUS, OH 43222  
Medicare Provider Number: 360035

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 7870            | 9.4                 | 9.0  | 0.4   | 14.5    | 13.4 | 0.7   | 17.4     | 16.7 | 0.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 339             | 25.4                | 26.4 | 3.1   | 29.5    | 29.3 | 3.3   | 31.3     | 31.9 | 3.3   |
| Congestive Heart Failure.....              | 403             | 15.6                | 14.4 | 2.1   | 25.1    | 22.9 | 2.9   | 32.5     | 29.0 | 3.6   |
| Pneumonia/Influenza.....                   | 339             | 17.1                | 15.9 | 3.5   | 24.5    | 21.8 | 3.5   | 27.1     | 25.7 | 3.4   |
| Chronic Obstructive Pulmonary Disease..... | 118             | 11.0                | 8.1  | 4.0   | 15.3    | 14.0 | 3.9   | 22.0     | 18.4 | 4.1   |
| Transient Cerebral Ischemia.....           | 132             | 2.3                 | 1.8  | 1.3   | 3.0     | 3.9  | 2.2   | 3.8      | 6.2  | 3.3   |
| Stroke.....                                | 290             | 20.3                | 21.3 | 2.6   | 27.9    | 27.6 | 2.6   | 30.7     | 31.3 | 3.1   |
| Hip Fracture.....                          | 185             | 7.6                 | 6.5  | 3.6   | 14.1    | 11.3 | 4.3   | 17.3     | 14.6 | 4.0   |
| Sepsis.....                                | 84              | 25.0                | 27.2 | 5.2   | 34.5    | 34.8 | 5.4   | 36.9     | 39.0 | 5.6   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 229             | 6.1                 | 4.2  | 1.8   | 9.2     | 5.1  | 2.6   | 9.2      | 6.0  | 2.3   |
| Coronary Artery Bypass Graft.....          | 120             | 11.7                | 5.9  | 4.2   | 13.3    | 8.2  | 4.3   | 14.2     | 9.2  | 4.4   |
| Initial Pacemaker Insertion.....           | 77              | 6.5                 | 3.7  | 3.1   | 10.4    | 7.0  | 4.5   | 10.4     | 9.9  | 3.5   |
| Carotid Endarterectomy.....                | 37              | 2.7                 | 1.3  | ----- | 2.7     | 2.4  | ----- | 2.7      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 143             | 5.6                 | 2.7  | 2.1   | 7.0     | 5.1  | 3.5   | 10.5     | 6.9  | 3.4   |
| Open Reduction of Hip Fracture.....        | 77              | 6.5                 | 6.1  | 5.4   | 13.0    | 10.9 | 5.2   | 15.6     | 14.2 | 4.8   |
| Prostatectomy.....                         | 343             | 0.9                 | 0.8  | 0.5   | 2.0     | 1.8  | 0.8   | 3.2      | 3.0  | 1.3   |
| Cholecystectomy.....                       | 158             | 3.8                 | 3.2  | 1.5   | 5.1     | 5.7  | 2.0   | 5.7      | 7.7  | 2.5   |
| Hysterectomy.....                          | 66              | 0.0                 | 0.8  | 1.3   | 1.5     | 1.6  | 1.7   | 1.5      | 2.3  | 2.1   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MT CARMEL HEALTH CENTER

Medicare Provider Number: 360035

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.4 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.4 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 23.8 %  
Admitted for emergency..... 64.1 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 39.5 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 14.9 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 9.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.2%  
State ..... 23.7%  
Outside State ..... 2.1 %  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 786  
Occupancy Rate ..... 72.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 39.0 %  
Case Mix Index (CMI) ..... 1.4039

### STAFFING:

Total Number of Physicians..... 368  
Percent of Physicians Board  
Certified Specialists..... 86.7 %  
Medical Residents/Interns ..... 80  
Registered Nurses..... 708  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MT SINAI MEDICAL CENTER

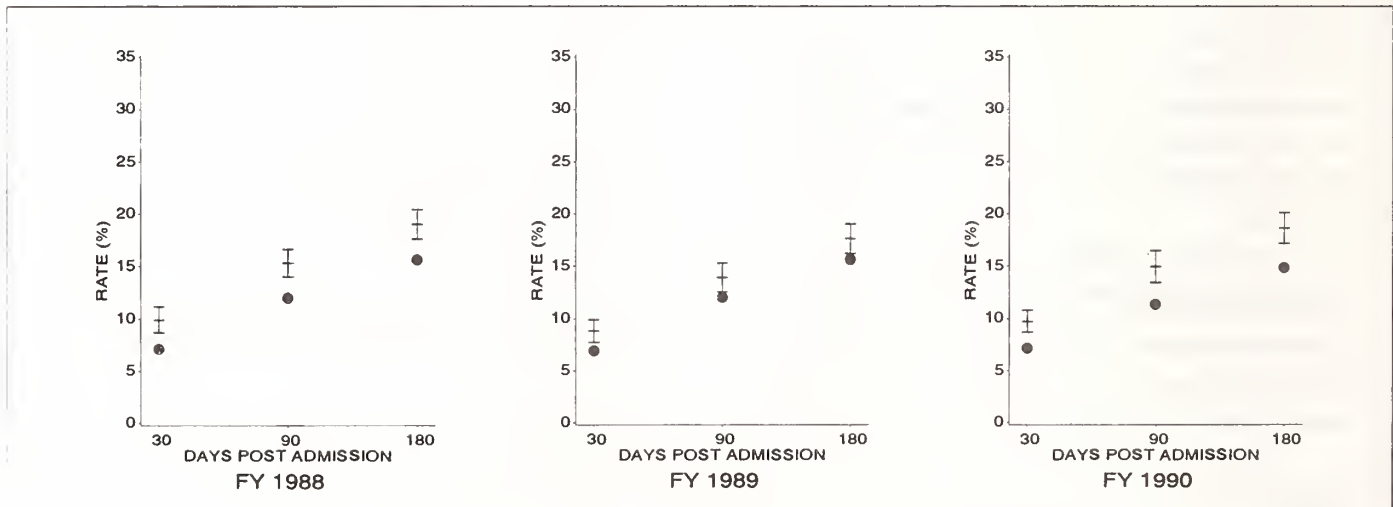
UNIVERSITY CIRCLE  
CLEVELAND, OH 44106  
Medicare Provider Number: 360075

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3595            | 7.1                 | 9.7  | 0.5  | 11.3    | 14.9 | 0.8  | 14.8     | 18.6 | 0.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 76              | 18.4                | 29.3 | 5.9  | 26.3    | 32.4 | 5.6  | 31.6     | 35.2 | 6.0  |
| Congestive Heart Failure.....              | 249             | 5.6                 | 15.1 | 3.0  | 13.3    | 24.2 | 3.6  | 20.5     | 30.7 | 3.6  |
| Pneumonia/Influenza.....                   | 122             | 18.0                | 19.6 | 5.0  | 23.8    | 26.3 | 5.6  | 29.5     | 30.9 | 5.2  |
| Chronic Obstructive Pulmonary Disease..... | 48              | 16.7                | 10.5 | ---- | 18.8    | 17.4 | ---- | 18.8     | 22.1 | ---- |
| Transient Cerebral Ischemia.....           | 29              | 6.9                 | 2.1  | ---- | 6.9     | 4.8  | ---- | 10.3     | 7.7  | ---- |
| Stroke.....                                | 113             | 13.3                | 22.4 | 5.8  | 20.4    | 28.8 | 6.0  | 23.0     | 32.3 | 6.5  |
| Hip Fracture.....                          | 57              | 3.5                 | 8.4  | 5.4  | 8.8     | 14.5 | 8.1  | 12.3     | 18.5 | 9.5  |
| Sepsis.....                                | 28              | 21.4                | 26.1 | ---- | 25.0    | 36.3 | ---- | 28.6     | 41.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 22              | 0.0                 | 1.9  | ---- | 4.5     | 2.9  | ---- | 4.5      | 3.7  | ---- |
| Coronary Artery Bypass Graft.....          | 81              | 6.2                 | 6.6  | 3.1  | 8.6     | 9.2  | 3.7  | 8.6      | 10.3 | 3.8  |
| Initial Pacemaker Insertion.....           | 28              | 3.6                 | 3.5  | ---- | 3.6     | 7.4  | ---- | 3.6      | 10.9 | ---- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 2.5  | ---- | 0.0     | 5.2  | ---- | 0.0      | 7.7  | ---- |
| Hip Replacement/Reconstruction.....        | 55              | 3.6                 | 3.6  | 2.7  | 7.3     | 6.6  | 3.4  | 10.9     | 8.9  | 4.3  |
| Open Reduction of Hip Fracture.....        | 24              | 0.0                 | 9.8  | ---- | 8.3     | 17.4 | ---- | 8.3      | 22.1 | ---- |
| Prostatectomy.....                         | 93              | 2.2                 | 1.1  | 1.8  | 5.4     | 2.6  | 2.1  | 5.4      | 4.3  | 2.6  |
| Cholecystectomy.....                       | 32              | 0.0                 | 4.3  | ---- | 3.1     | 8.1  | ---- | 6.3      | 10.8 | ---- |
| Hysterectomy.....                          | 25              | 0.0                 | 0.6  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MT SINAI MEDICAL CENTER

Medicare Provider Number: 360075

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years

Proportion female..... 55.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.4 %

Transferred from skilled nursing facility..... 3.0 %

Admitted for elective procedure..... 19.6 %

Admitted for emergency..... 76.9 %

### COMORBIDITIES:

Cancer..... 8.4 %

Chronic cardiovascular disease..... 36.3 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 7.6 %

Chronic pulmonary disease..... 10.8 %

Cerebrovascular degeneration..... 4.8 %

Diabetes mellitus..... 12.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 90.7%

State..... 6.8%

Outside State..... 2.5%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.1 Days

State..... 8.3 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds..... 450

Occupancy Rate..... 69.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges..... 33.4 %

Case Mix Index (CMI)..... 1.3936

### STAFFING:

Total Number of Physicians..... 523

Percent of Physicians Board  
Certified Specialists..... 98.7 %

Medical Residents/Interns..... 142

Registered Nurses..... 419

Licensed Practical Nurses..... 89

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... Yes

Comprehensive Geriatric..... Yes

Hospice Care..... Yes

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... Yes

Other Intensive Care..... No

Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... Yes

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# O BLENESS MEMORIAL HOSPITAL

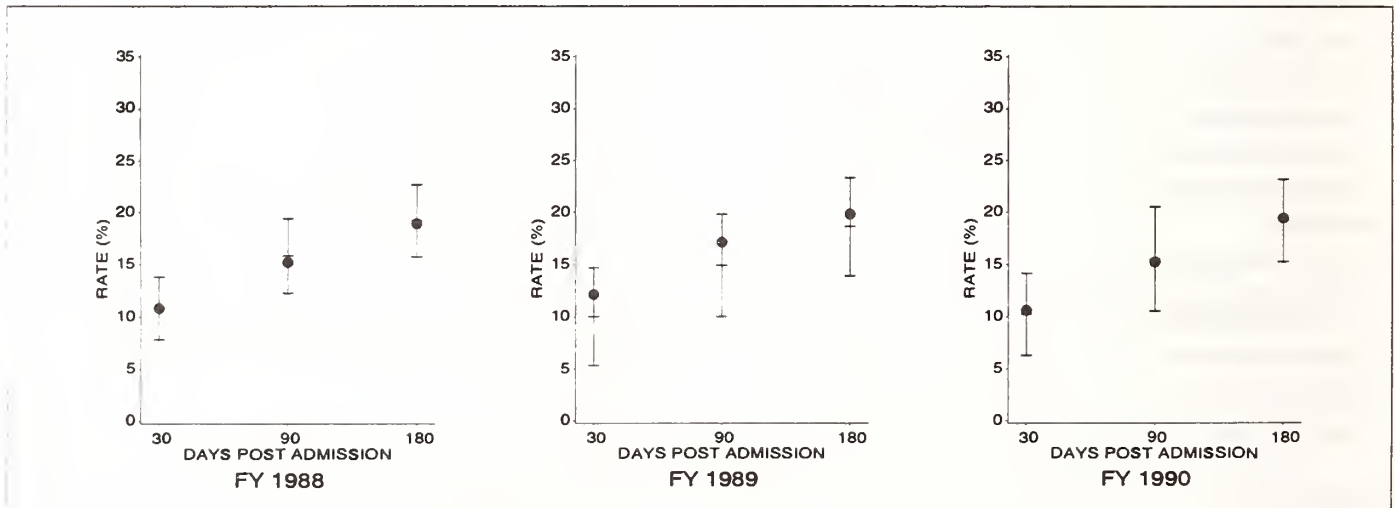
HOSPITAL DRIVE  
ATHENS, OH 45701  
Medicare Provider Number: 360014

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 660             | 10.6                | 10.2 | 2.0   | 15.2    | 15.5 | 2.5   | 19.4     | 19.2 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 37              | 43.2                | 23.0 | ----- | 43.2    | 26.0 | ----- | 45.9     | 28.8 | ----- |
| Congestive Heart Failure.....              | 52              | 11.5                | 15.7 | 6.6   | 17.3    | 24.7 | 10.7  | 25.0     | 31.0 | 12.5  |
| Pneumonia/Influenza.....                   | 39              | 12.8                | 18.5 | ----- | 23.1    | 25.0 | ----- | 33.3     | 29.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 21              | 0.0                 | 10.3 | ----- | 9.5     | 17.7 | ----- | 14.3     | 23.1 | ----- |
| Transient Cerebral Ischemia.....           | 14              | 0.0                 | 2.7  | ----- | 7.1     | 6.0  | ----- | 7.1      | 9.7  | ----- |
| Stroke.....                                | 35              | 20.0                | 19.2 | ----- | 25.7    | 26.5 | ----- | 34.3     | 30.4 | ----- |
| Hip Fracture.....                          | 23              | 4.3                 | 9.0  | ----- | 8.7     | 15.3 | ----- | 8.7      | 18.9 | ----- |
| Sepsis.....                                | 7               | 28.6                | 21.6 | ----- | 28.6    | 26.6 | ----- | 28.6     | 30.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 12              | 8.3                 | 9.5  | ----- | 8.3     | 16.3 | ----- | 8.3      | 20.3 | ----- |
| Open Reduction of Hip Fracture.....        | 10              | 0.0                 | 5.1  | ----- | 10.0    | 9.5  | ----- | 10.0     | 12.3 | ----- |
| Prostatectomy.....                         | 36              | 2.8                 | 1.0  | ----- | 2.8     | 2.4  | ----- | 8.3      | 4.2  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 2.0  | ----- | 0.0     | 3.6  | ----- | 0.0      | 4.6  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 1.0  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# O BLESS MEMORIAL HOSPITAL

Medicare Provider Number: 360014

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.2 years  
Proportion female..... 55.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.2 %  
Transferred from skilled nursing facility..... 2.0 %  
Admitted for elective procedure..... 11.8 %  
Admitted for emergency..... 59.2 %

### COMORBIDITIES:

Cancer..... 6.7 %  
Chronic cardiovascular disease..... 40.2 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 5.5 %  
Chronic pulmonary disease..... 34.7 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 9.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.8%  
State ..... 16.1%  
Outside State ..... 2.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 75  
Occupancy Rate ..... 53.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.3 %  
Case Mix Index (CMI) ..... 1.1460

### STAFFING:

Total Number of Physicians..... 46  
Percent of Physicians Board  
Certified Specialists ..... 87.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 48  
Licensed Practical Nurses ..... 35

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OAK HILL COMMUNITY MEDICAL CENTER

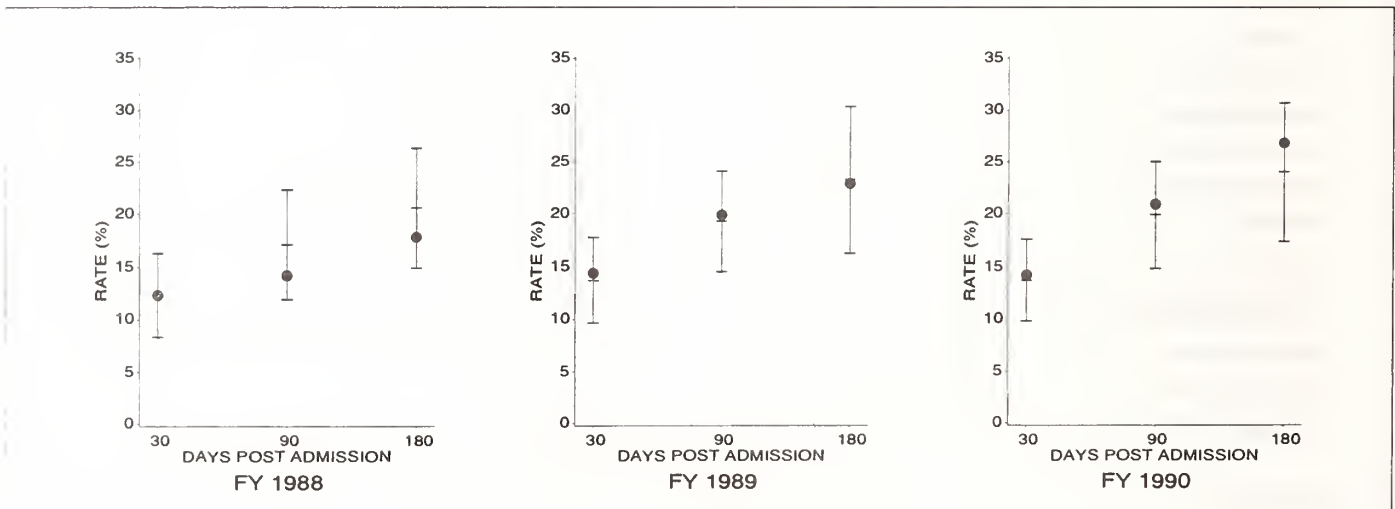
350 CHARLOTTE AVE  
OAK HILL, OH 45656  
Medicare Provider Number: 360050

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 325             | 14.2                | 13.7 | 1.9   | 20.9    | 19.9 | 2.6   | 26.8     | 24.0 | 3.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 22              | 36.4                | 29.6 | ----- | 36.4    | 32.8 | ----- | 36.4     | 35.6 | ----- |
| Congestive Heart Failure.....              | 21              | 28.6                | 15.2 | ----- | 33.3    | 24.2 | ----- | 47.6     | 31.1 | ----- |
| Pneumonia/Influenza.....                   | 31              | 29.0                | 19.9 | ----- | 35.5    | 26.9 | ----- | 41.9     | 31.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 14              | 14.3                | 8.3  | ----- | 35.7    | 14.9 | ----- | 35.7     | 19.6 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 2.5  | ----- | 0.0     | 6.0  | ----- | 0.0      | 9.9  | ----- |
| Stroke.....                                | 17              | 23.5                | 28.2 | ----- | 29.4    | 35.2 | ----- | 41.2     | 39.6 | ----- |
| Hip Fracture.....                          | 6               | 16.7                | 8.0  | ----- | 16.7    | 15.3 | ----- | 16.7     | 20.1 | ----- |
| Sepsis.....                                | 2               | 0.0                 | 46.2 | ----- | 50.0    | 52.0 | ----- | 50.0     | 54.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 7               | 14.3                | 7.9  | ----- | 14.3    | 15.8 | ----- | 14.3     | 21.4 | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2               | 0.0                 | 2.0  | ----- | 50.0    | 4.9  | ----- | 50.0     | 8.3  | ----- |
| Cholecystectomy.....                       | 8               | 12.5                | 4.7  | ----- | 12.5    | 9.8  | ----- | 37.5     | 13.7 | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OAK HILL COMMUNITY MEDICAL CENTER

Medicare Provider Number: 360050

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 60.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 25.8 %  
Transferred from skilled nursing facility..... 17.8 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 77.5 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 45.2 %  
Chronic liver disease..... 1.5 %  
Chronic renal disease..... 4.0 %  
Chronic pulmonary disease..... 21.8 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 14.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.2%  
State ..... 13.4%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 68  
Occupancy Rate ..... 50.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 53.8 %  
Case Mix Index (CMI) ..... 1.2505

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OHIO STATE UNIVERSITY HOSPITAL

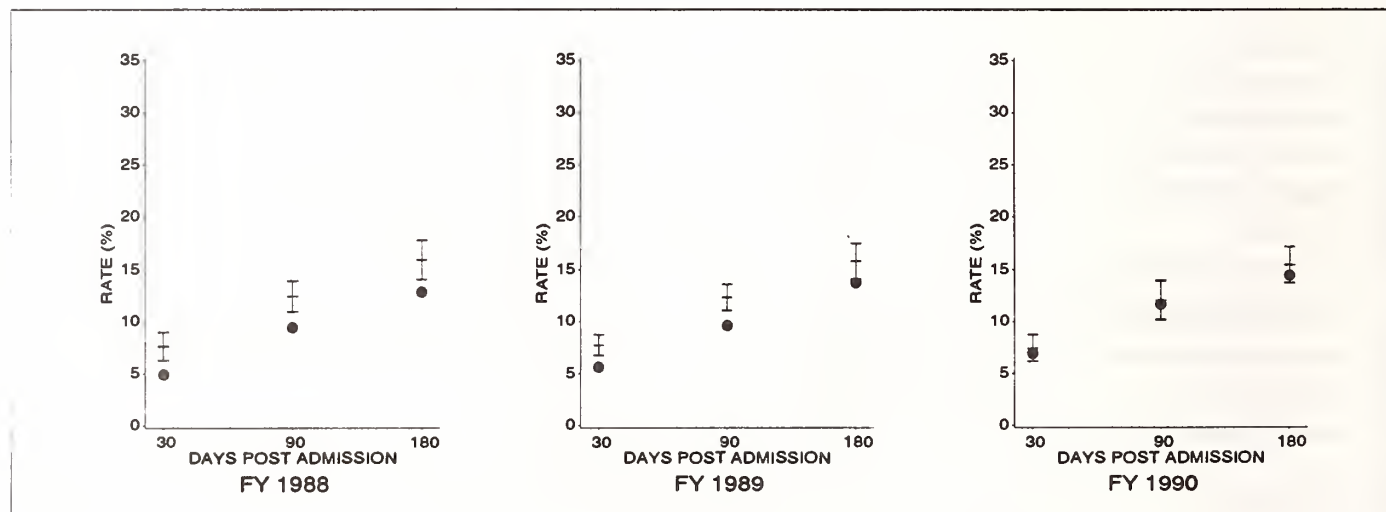
410 W 10TH AVE  
COLUMBUS, OH 43210  
Medicare Provider Number: 360085

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3530            | 6.9                 | 7.4  | 0.6  | 11.6    | 12.0 | 0.9  | 14.4     | 15.4 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 62              | 25.8                | 22.2 | 6.3  | 32.3    | 25.6 | 8.4  | 33.9     | 28.4 | 9.3  |
| Congestive Heart Failure.....              | 89              | 19.1                | 12.9 | 5.5  | 24.7    | 21.0 | 5.0  | 29.2     | 27.3 | 4.9  |
| Pneumonia/Influenza.....                   | 67              | 16.4                | 14.1 | 5.4  | 25.4    | 19.1 | 8.5  | 26.9     | 22.4 | 9.5  |
| Chronic Obstructive Pulmonary Disease..... | 29              | 3.4                 | 7.6  | ---- | 10.3    | 12.5 | ---- | 17.2     | 16.3 | ---- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 1.1  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.7  | ---- |
| Stroke.....                                | 52              | 21.2                | 19.9 | 5.6  | 28.8    | 25.6 | 7.2  | 34.6     | 29.1 | 7.9  |
| Hip Fracture.....                          | 16              | 6.3                 | 7.5  | ---- | 12.5    | 13.6 | ---- | 18.8     | 17.5 | ---- |
| Sepsis.....                                | 18              | 44.4                | 22.4 | ---- | 55.6    | 28.9 | ---- | 55.6     | 32.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 100             | 6.0                 | 2.4  | 3.4  | 7.0     | 3.4  | 3.8  | 7.0      | 4.4  | 3.7  |
| Coronary Artery Bypass Graft.....          | 76              | 10.5                | 4.1  | 4.1  | 11.8    | 5.7  | 4.7  | 13.2     | 6.6  | 5.0  |
| Initial Pacemaker Insertion.....           | 37              | 5.4                 | 2.9  | ---- | 8.1     | 6.0  | ---- | 8.1      | 8.7  | ---- |
| Carotid Endarterectomy.....                | 14              | 0.0                 | 1.1  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.4  | ---- |
| Hip Replacement/Reconstruction.....        | 22              | 0.0                 | 4.6  | ---- | 4.5     | 9.0  | ---- | 9.1      | 12.5 | ---- |
| Open Reduction of Hip Fracture.....        | 6               | 0.0                 | 4.0  | ---- | 16.7    | 8.4  | ---- | 16.7     | 12.1 | ---- |
| Prostatectomy.....                         | 104             | 0.0                 | 0.6  | 1.0  | 1.0     | 1.6  | 1.3  | 2.9      | 2.8  | 1.8  |
| Cholecystectomy.....                       | 41              | 4.9                 | 4.8  | ---- | 7.3     | 10.1 | ---- | 7.3      | 14.4 | ---- |
| Hysterectomy.....                          | 27              | 0.0                 | 0.7  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# OHIO STATE UNIVERSITY HOSPITAL

Medicare Provider Number: 360085

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 66.2 years  
Proportion female..... 45.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 60.8 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 53.2 %  
Admitted for emergency..... 31.8 %

### COMORBIDITIES:

Cancer..... 10.4 %  
Chronic cardiovascular disease..... 38.1 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 6.9 %  
Chronic pulmonary disease..... 9.2 %  
Cerebrovascular degeneration..... 1.9 %  
Diabetes mellitus..... 9.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 39.5%  
State ..... 54.4%  
Outside State ..... 6.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 726  
Occupancy Rate ..... 80.0 %  
Ownership/Control..... State Government  
Medicare Discharges ..... 25.8 %  
Case Mix Index (CMI) ..... 1.6088

### STAFFING:

Total Number of Physicians..... 461  
Percent of Physicians Board  
Certified Specialists ..... 90.0 %  
Medical Residents/Interns ..... 509  
Registered Nurses..... 880  
Licensed Practical Nurses ..... 59

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OHIO VALLEY HOSPITAL

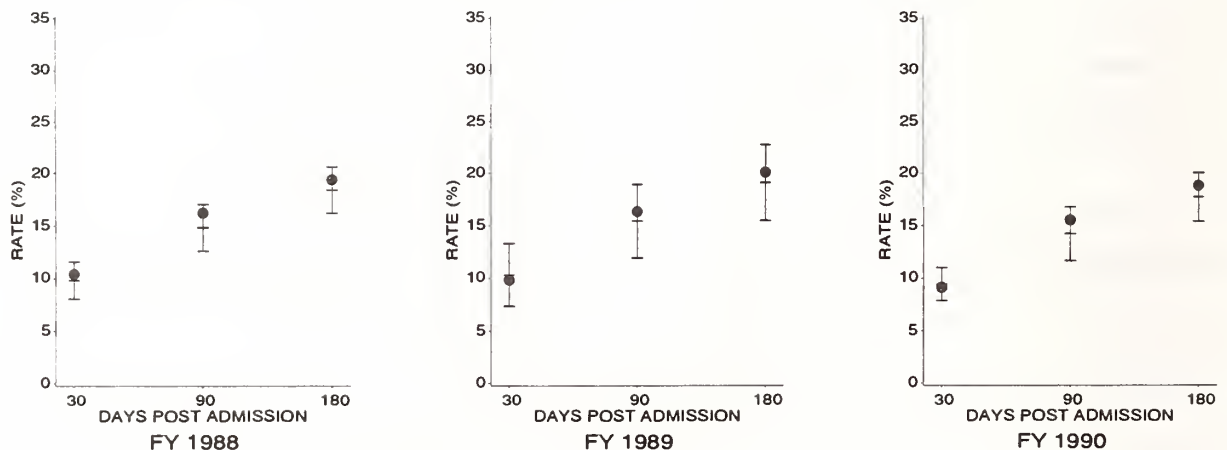
380 SUMMIT AVENUE  
STEUBENVILLE, OH 43952  
Medicare Provider Number: 360211

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1499            | 9.1                 | 9.4  | 0.8  | 15.5    | 14.2 | 1.3  | 18.8     | 17.7 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 39              | 28.2                | 25.8 | ---- | 30.8    | 29.0 | ---- | 33.3     | 31.6 | ---- |
| Congestive Heart Failure.....              | 129             | 14.7                | 14.8 | 3.2  | 26.4    | 23.4 | 5.6  | 31.8     | 29.6 | 7.0  |
| Pneumonia/Influenza.....                   | 71              | 14.1                | 14.0 | 4.1  | 16.9    | 19.1 | 5.1  | 19.7     | 22.4 | 6.4  |
| Chronic Obstructive Pulmonary Disease..... | 38              | 2.6                 | 7.6  | ---- | 10.5    | 14.0 | ---- | 13.2     | 18.8 | ---- |
| Transient Cerebral Ischemia.....           | 48              | 6.3                 | 2.0  | ---- | 6.3     | 4.6  | ---- | 8.3      | 7.3  | ---- |
| Stroke.....                                | 47              | 34.0                | 23.0 | ---- | 40.4    | 28.4 | ---- | 42.6     | 32.2 | ---- |
| Hip Fracture.....                          | 26              | 11.5                | 6.4  | ---- | 15.4    | 11.1 | ---- | 15.4     | 14.1 | ---- |
| Sepsis.....                                | 14              | 7.1                 | 20.8 | ---- | 14.3    | 29.1 | ---- | 28.6     | 33.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 4.0  | ---- | 0.0     | 6.8  | ---- | 0.0      | 9.2  | ---- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 2.7  | ---- | 0.0     | 4.9  | ---- | 0.0      | 6.3  | ---- |
| Hip Replacement/Reconstruction.....        | 6               | 16.7                | 3.5  | ---- | 16.7    | 6.0  | ---- | 16.7     | 8.6  | ---- |
| Open Reduction of Hip Fracture.....        | 13              | 15.4                | 6.2  | ---- | 23.1    | 11.3 | ---- | 23.1     | 14.6 | ---- |
| Prostatectomy.....                         | 52              | 1.9                 | 1.1  | 1.6  | 3.8     | 2.6  | 2.6  | 3.8      | 4.4  | 2.9  |
| Cholecystectomy.....                       | 26              | 3.8                 | 4.8  | ---- | 3.8     | 8.1  | ---- | 7.7      | 9.8  | ---- |
| Hysterectomy.....                          | 16              | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OHIO VALLEY HOSPITAL

Medicare Provider Number: 360211

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.7 years |
| Proportion female.....        | 58.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 24.7 % |
| Transferred from skilled nursing facility..... | 0.8 %  |
| Admitted for elective procedure.....           | 9.1 %  |
| Admitted for emergency.....                    | 71.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.7 %  |
| Chronic cardiovascular disease..... | 36.0 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 3.1 %  |
| Chronic pulmonary disease.....      | 14.9 % |
| Cerebrovascular degeneration.....   | 1.9 %  |
| Diabetes mellitus.....              | 9.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 83.9%  |
| State .....         | 2.9%   |
| Outside State ..... | 13.2%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.3 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 222                 |
| Occupancy Rate .....       | 58.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | (Not Available)     |
| Case Mix Index (CMI) ..... | 1.0911              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses .....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# PARKVIEW HOSPITAL

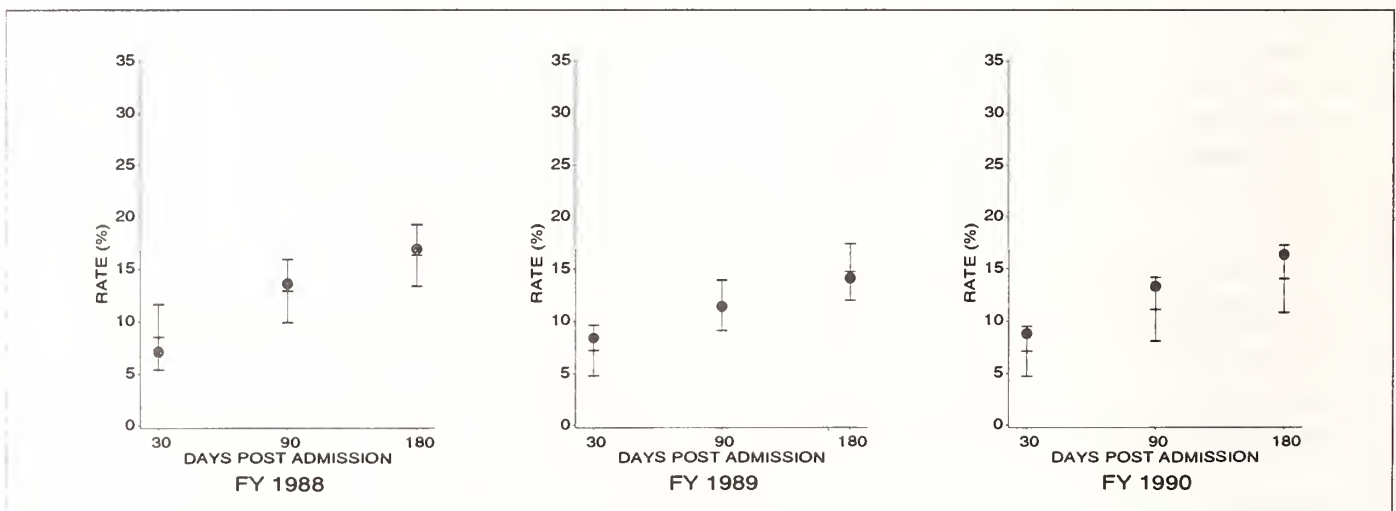
1920 PARKWOOD AVE  
TOLEDO, OH 43624  
Medicare Provider Number: 360119

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 742             | 8.8                 | 7.1  | 1.2  | 13.3    | 11.1 | 1.5  | 16.3     | 14.0 | 1.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 16              | 18.8                | 15.4 | ---- | 25.0    | 18.8 | ---- | 25.0     | 21.6 | ---- |
| Congestive Heart Failure.....              | 34              | 32.4                | 14.4 | ---- | 38.2    | 23.2 | ---- | 41.2     | 29.5 | ---- |
| Pneumonia/Influenza.....                   | 26              | 15.4                | 13.4 | ---- | 23.1    | 18.0 | ---- | 23.1     | 21.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 36              | 8.3                 | 9.3  | ---- | 16.7    | 15.4 | ---- | 22.2     | 19.7 | ---- |
| Transient Cerebral Ischemia.....           | 14              | 7.1                 | 1.6  | ---- | 7.1     | 3.3  | ---- | 14.3     | 5.1  | ---- |
| Stroke.....                                | 18              | 33.3                | 18.1 | ---- | 38.9    | 24.2 | ---- | 44.4     | 27.3 | ---- |
| Hip Fracture.....                          | 18              | 11.1                | 4.5  | ---- | 22.2    | 7.9  | ---- | 22.2     | 10.3 | ---- |
| Sepsis.....                                | 8               | 12.5                | 25.6 | ---- | 25.0    | 33.1 | ---- | 37.5     | 38.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 0.7  | ---- | 0.0     | 1.7  | ---- | 0.0      | 3.1  | ---- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 2.8  | ---- | 0.0     | 5.0  | ---- | 16.7     | 7.0  | ---- |
| Hip Replacement/Reconstruction.....        | 12              | 8.3                 | 3.5  | ---- | 16.7    | 6.3  | ---- | 16.7     | 8.3  | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 3.9  | ---- | 11.1    | 7.3  | ---- | 11.1     | 9.6  | ---- |
| Prostatectomy.....                         | 15              | 0.0                 | 1.2  | ---- | 0.0     | 2.6  | ---- | 0.0      | 4.1  | ---- |
| Cholecystectomy.....                       | 14              | 7.1                 | 2.8  | ---- | 7.1     | 5.4  | ---- | 14.3     | 7.6  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.9  | ---- | 20.0    | 1.9  | ---- | 20.0     | 3.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PARKVIEW HOSPITAL

Medicare Provider Number: 360119

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.9 years |
| Proportion female.....        | 64.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 48.2 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 8.8 %  |
| Admitted for emergency.....                    | 87.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.4 %  |
| Chronic cardiovascular disease..... | 35.8 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 1.2 %  |
| Chronic pulmonary disease.....      | 18.6 % |
| Cerebrovascular degeneration.....   | 3.5 %  |
| Diabetes mellitus.....              | 7.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 75.2%  |
| State .....         | 13.6%  |
| Outside State ..... | 11.2%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.9 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 96                  |
| Occupancy Rate .....       | 66.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 27.2 %              |
| Case Mix Index (CMI) ..... | 1.1028              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 83     |
| Percent of Physicians Board<br>Certified Specialists ..... | 53.0 % |
| Medical Residents/Interns .....                            | 18     |
| Registered Nurses.....                                     | 123    |
| Licensed Practical Nurses .....                            | 38     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation .....      | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# PARMA COMMUNITY GENERAL HOSPITAL

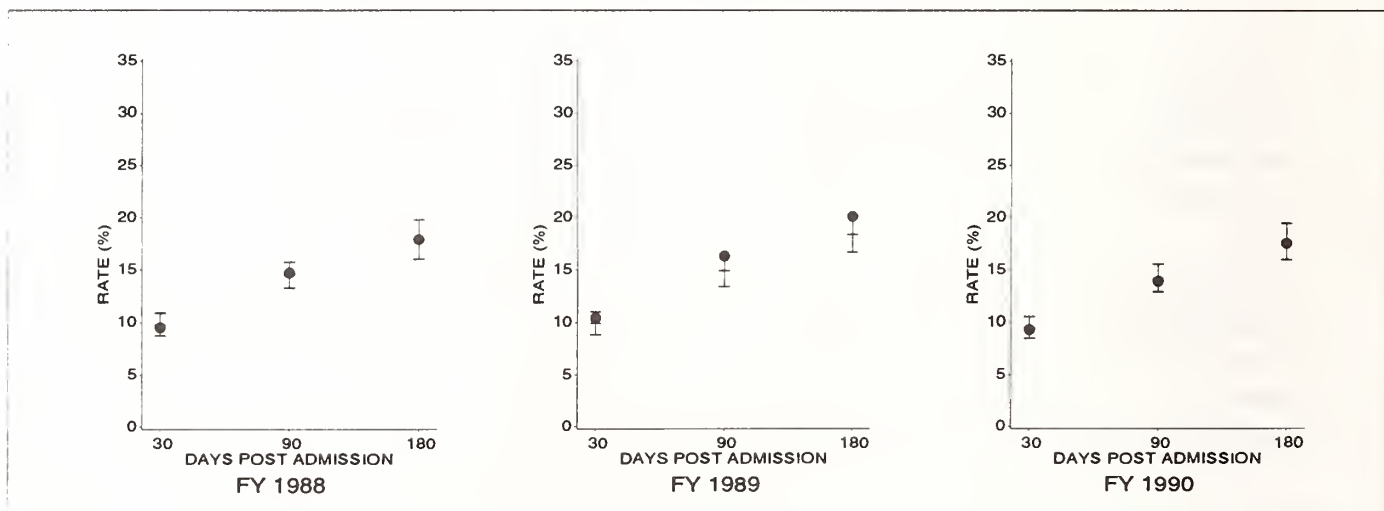
7007 POWERS BOULEVARD  
PARMA, OH 44129  
Medicare Provider Number: 360041

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3355            | 9.3                 | 9.5  | 0.5   | 13.9    | 14.2 | 0.7   | 17.5     | 17.7 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 110             | 25.5                | 24.7 | 4.7   | 30.0    | 27.5 | 4.7   | 30.9     | 30.0 | 4.4   |
| Congestive Heart Failure.....              | 255             | 17.3                | 15.4 | 3.1   | 24.7    | 23.9 | 2.9   | 29.8     | 30.3 | 2.9   |
| Pneumonia/Influenza.....                   | 143             | 13.3                | 16.6 | 3.8   | 17.5    | 22.9 | 5.4   | 21.7     | 27.0 | 5.8   |
| Chronic Obstructive Pulmonary Disease..... | 76              | 9.2                 | 9.4  | 3.5   | 18.4    | 16.5 | 4.6   | 25.0     | 21.6 | 5.8   |
| Transient Cerebral Ischemia.....           | 103             | 0.0                 | 1.8  | 2.0   | 1.9     | 4.0  | 2.7   | 4.9      | 6.4  | 3.4   |
| Stroke.....                                | 136             | 16.2                | 20.7 | 4.4   | 26.5    | 27.2 | 4.0   | 31.6     | 31.0 | 4.1   |
| Hip Fracture.....                          | 79              | 6.3                 | 7.2  | 3.6   | 8.9     | 12.4 | 5.3   | 8.9      | 15.7 | 6.7   |
| Sepsis.....                                | 44              | 15.9                | 20.8 | ----- | 20.5    | 28.8 | ----- | 25.0     | 33.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 39              | 10.3                | 3.0  | ----- | 17.9    | 5.8  | ----- | 17.9     | 8.3  | ----- |
| Carotid Endarterectomy.....                | 36              | 0.0                 | 1.3  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.4  | ----- |
| Hip Replacement/Reconstruction.....        | 43              | 4.7                 | 4.0  | ----- | 4.7     | 7.3  | ----- | 4.7      | 9.7  | ----- |
| Open Reduction of Hip Fracture.....        | 39              | 5.1                 | 6.9  | ----- | 7.7     | 12.1 | ----- | 7.7      | 15.4 | ----- |
| Prostatectomy.....                         | 109             | 1.8                 | 1.0  | 1.2   | 2.8     | 2.4  | 1.5   | 4.6      | 4.1  | 2.2   |
| Cholecystectomy.....                       | 63              | 1.6                 | 2.1  | 2.2   | 1.6     | 3.8  | 3.2   | 3.2      | 5.0  | 3.3   |
| Hysterectomy.....                          | 34              | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 2.9      | 2.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PARMA COMMUNITY GENERAL HOSPITAL

Medicare Provider Number: 360041

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 89.1 %  
Transferred from skilled nursing facility..... 8.5 %  
Admitted for elective procedure..... 36.3 %  
Admitted for emergency..... 63.3 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 48.9 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 95.3%  
State..... 3.2%  
Outside State..... 1.5%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.9 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 321  
Occupancy Rate..... 69.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 51.1 %  
Case Mix Index (CMI)..... 1.2038

### STAFFING:

Total Number of Physicians..... 229  
Percent of Physicians Board  
Certified Specialists..... 66.8 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 214  
Licensed Practical Nurses..... 123

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PAULDING COUNTY HOSPITAL

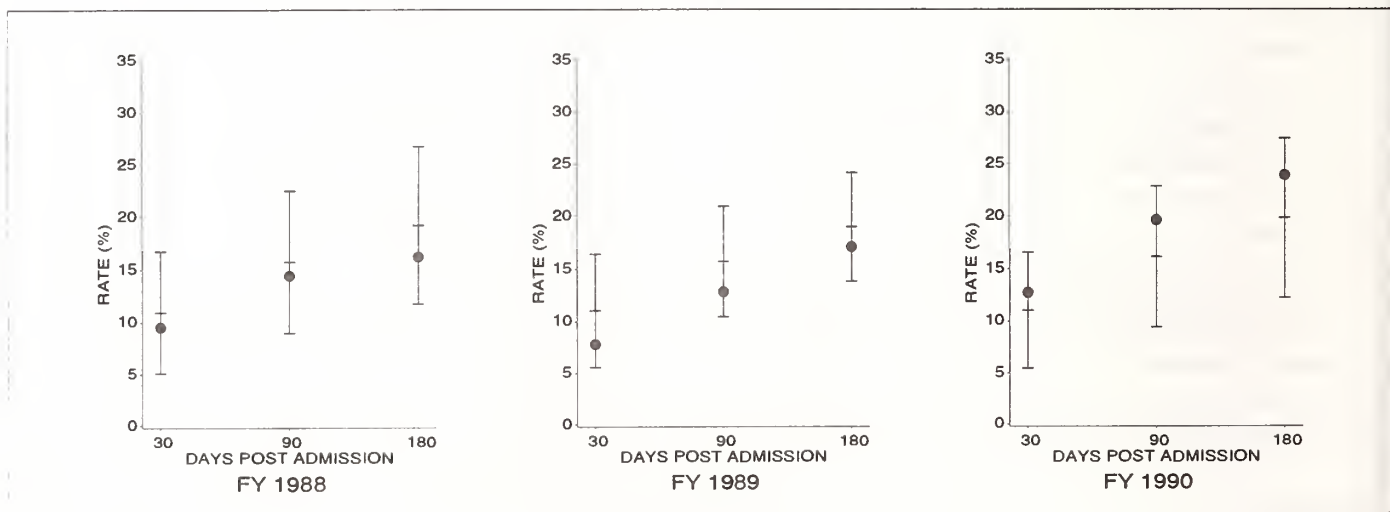
ROUTE 2  
PAULDING, OH 45879  
Medicare Provider Number: 360136

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 276             | 12.7                | 11.0 | 2.8  | 19.6    | 16.1 | 3.4  | 23.9     | 19.8 | 3.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 9               | 22.2                | 32.9 | ---- | 22.2    | 36.7 | ---- | 33.3     | 39.6 | ---- |
| Congestive Heart Failure.....              | 13              | 15.4                | 13.5 | ---- | 30.8    | 21.4 | ---- | 46.2     | 27.6 | ---- |
| Pneumonia/Influenza.....                   | 34              | 26.5                | 18.9 | ---- | 35.3    | 25.5 | ---- | 41.2     | 29.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 20.0                | 3.9  | ---- | 20.0    | 7.5  | ---- | 20.0     | 10.2 | ---- |
| Transient Cerebral Ischemia.....           | 8               | 12.5                | 2.3  | ---- | 25.0    | 5.4  | ---- | 25.0     | 9.1  | ---- |
| Stroke.....                                | 7               | 14.3                | 19.2 | ---- | 14.3    | 25.8 | ---- | 14.3     | 30.6 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 10              | 20.0                | 35.9 | ---- | 50.0    | 41.7 | ---- | 50.0     | 46.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 11              | 0.0                 | 0.9  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.4  | ---- |
| Cholecystectomy.....                       | 6               | 0.0                 | 2.4  | ---- | 0.0     | 4.7  | ---- | 0.0      | 6.6  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 3.0  | ---- | 0.0     | 6.5  | ---- | 0.0      | 9.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PAULDING COUNTY HOSPITAL

Medicare Provider Number: 360136

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 60.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 56.5 %

### COMORBIDITIES:

Cancer..... 9.1 %  
Chronic cardiovascular disease..... 38.8 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 5.4 %  
Chronic pulmonary disease..... 17.8 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.3%  
State ..... 8.1%  
Outside State ..... 3.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 51  
Occupancy Rate ..... 23.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 36.2 %  
Case Mix Index (CMI) ..... 1.0587

### STAFFING:

Total Number of Physicians..... 14  
Percent of Physicians Board  
Certified Specialists ..... 78.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 33  
Licensed Practical Nurses ..... 16

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PEOPLES HOSPITAL INC

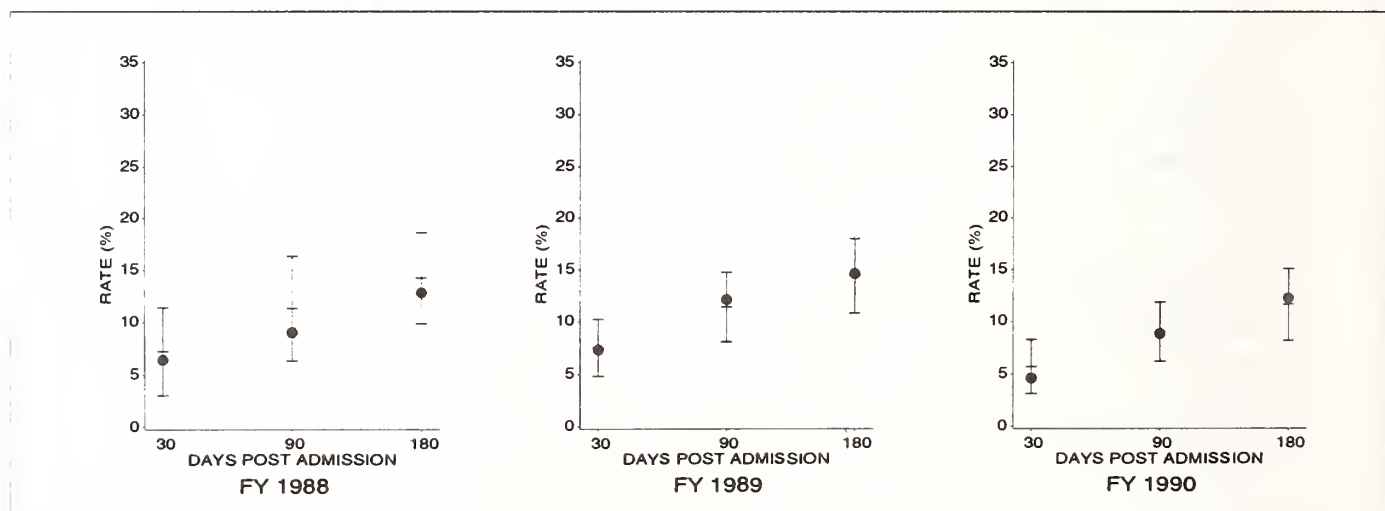
597 PARK AVENUE EAST  
MANSFIELD, OH 44905  
Medicare Provider Number: 360166

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 410             | 4.6                 | 5.7  | 1.3  | 8.8     | 9.0  | 1.4  | 12.2     | 11.6 | 1.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 7               | 42.9                | 24.8 | ---- | 57.1    | 27.7 | ---- | 57.1     | 30.6 | ---- |
| Congestive Heart Failure.....              | 26              | 3.8                 | 11.8 | ---- | 11.5    | 18.6 | ---- | 34.6     | 23.7 | ---- |
| Pneumonia/Influenza.....                   | 20              | 15.0                | 11.3 | ---- | 15.0    | 15.2 | ---- | 20.0     | 17.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 22              | 0.0                 | 8.3  | ---- | 4.5     | 14.4 | ---- | 4.5      | 19.3 | ---- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 0.9  | ---- | 0.0     | 2.0  | ---- | 0.0      | 3.6  | ---- |
| Stroke.....                                | 5               | 20.0                | 15.4 | ---- | 20.0    | 19.1 | ---- | 20.0     | 22.1 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0               |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 4               | 0.0                 | 0.3  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.0  | ---- |
| Cholecystectomy.....                       | 14              | 0.0                 | 2.9  | ---- | 0.0     | 4.9  | ---- | 0.0      | 6.1  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.7  | ---- | 0.0     | 1.7  | ---- | 0.0      | 2.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PEOPLES HOSPITAL INC

Medicare Provider Number: 360166

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.1 years

Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.3 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 16.1 %

Admitted for emergency..... 83.7 %

### COMORBIDITIES:

Cancer..... 3.4 %

Chronic cardiovascular disease..... 25.9 %

Chronic liver disease..... 2.2 %

Chronic renal disease..... 1.5 %

Chronic pulmonary disease..... 11.5 %

Cerebrovascular degeneration..... 0.5 %

Diabetes mellitus..... 9.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.6%

State ..... 6.3%

Outside State ..... 1.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.8 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 76

Occupancy Rate ..... 30.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 49.2 %

Case Mix Index (CMI) ..... 1.0237

### STAFFING:

Total Number of Physicians..... 92

Percent of Physicians Board  
Certified Specialists..... 72.8 %

Medical Residents/Interns ..... 0

Registered Nurses..... 34

Licensed Practical Nurses..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PIKE COUNTY HOSPITAL

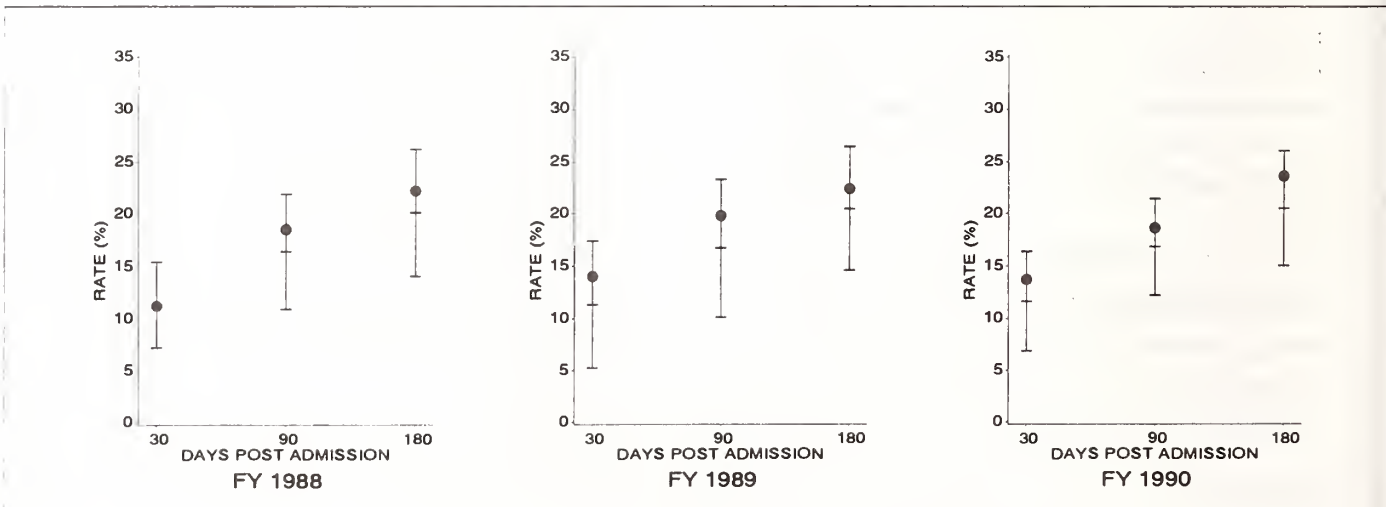
DAWN LANE  
WAVERLY, OH 45690  
Medicare Provider Number: 360047

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 365             | 13.7                | 11.6 | 2.4  | 18.6    | 16.8 | 2.3  | 23.6     | 20.5 | 2.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 20              | 20.0                | 25.3 | ---- | 20.0    | 27.9 | ---- | 35.0     | 30.8 | ---- |
| Congestive Heart Failure.....              | 22              | 13.6                | 12.4 | ---- | 22.7    | 19.6 | ---- | 31.8     | 25.2 | ---- |
| Pneumonia/Influenza.....                   | 30              | 13.3                | 15.9 | ---- | 20.0    | 21.9 | ---- | 23.3     | 26.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 12.5                | 3.8  | ---- | 12.5    | 7.3  | ---- | 25.0     | 10.5 | ---- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 2.2  | ---- | 7.7     | 5.3  | ---- | 7.7      | 8.5  | ---- |
| Stroke.....                                | 16              | 31.3                | 21.1 | ---- | 37.5    | 27.7 | ---- | 37.5     | 31.6 | ---- |
| Hip Fracture.....                          | 12              | 8.3                 | 5.4  | ---- | 16.7    | 9.9  | ---- | 33.3     | 12.8 | ---- |
| Sepsis.....                                | 3               | 33.3                | 15.3 | ---- | 33.3    | 22.6 | ---- | 33.3     | 25.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 100.0               | 11.3 | ---- | 100.0   | 17.6 | ---- | 100.0    | 20.5 | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7               | 0.0                 | 5.6  | ---- | 0.0     | 10.3 | ---- | 14.3     | 13.6 | ---- |
| Open Reduction of Hip Fracture.....        | 5               | 20.0                | 3.9  | ---- | 40.0    | 7.7  | ---- | 60.0     | 10.3 | ---- |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 2               | 0.0                 | 0.5  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.2  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PIKE COUNTY HOSPITAL

Medicare Provider Number: 360047

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
Proportion female..... 60.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 16.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 81.9 %

### COMORBIDITIES:

Cancer..... 5.5 %  
Chronic cardiovascular disease..... 32.3 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 12.3 %  
Cerebrovascular degeneration..... 8.5 %  
Diabetes mellitus..... 10.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 81.0%  
State..... 16.5%  
Outside State..... 2.5%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.7 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 40  
Occupancy Rate..... 35.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 64.4 %  
Case Mix Index (CMI)..... 1.0637

### STAFFING:

Total Number of Physicians..... 14  
Percent of Physicians Board  
Certified Specialists..... 57.1 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 29  
Licensed Practical Nurses..... 6

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PIQUA MEMORIAL MEDICAL CENTER

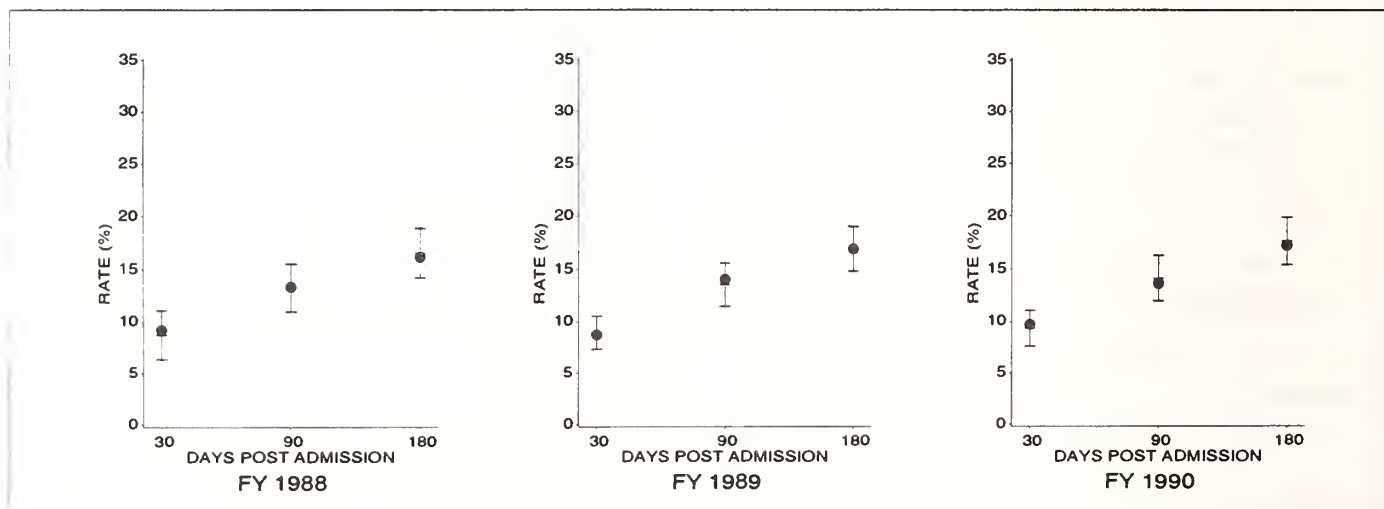
624 PARK AVE  
PIQUA, OH 45356  
Medicare Provider Number: 360149

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1294            | 9.7                 | 9.3  | 0.9  | 13.6    | 14.1 | 1.1  | 17.2     | 17.6 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 45              | 22.2                | 26.5 | ---- | 22.2    | 29.7 | ---- | 26.7     | 32.5 | ---- |
| Congestive Heart Failure.....              | 112             | 11.6                | 13.2 | 4.0  | 18.8    | 21.1 | 6.6  | 24.1     | 26.9 | 8.4  |
| Pneumonia/Influenza.....                   | 98              | 17.3                | 14.9 | 5.1  | 21.4    | 20.7 | 7.4  | 25.5     | 24.3 | 8.7  |
| Chronic Obstructive Pulmonary Disease..... | 18              | 16.7                | 8.1  | ---- | 16.7    | 14.5 | ---- | 16.7     | 18.9 | ---- |
| Transient Cerebral Ischemia.....           | 26              | 7.7                 | 2.4  | ---- | 7.7     | 5.5  | ---- | 7.7      | 8.9  | ---- |
| Stroke.....                                | 46              | 26.1                | 19.2 | ---- | 28.3    | 26.2 | ---- | 34.8     | 29.9 | ---- |
| Hip Fracture.....                          | 25              | 4.0                 | 5.7  | ---- | 4.0     | 9.8  | ---- | 8.0      | 12.9 | ---- |
| Sepsis.....                                | 10              | 50.0                | 24.5 | ---- | 50.0    | 34.8 | ---- | 50.0     | 40.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 3.5  | ---- | 0.0     | 5.6  | ---- | 0.0      | 8.0  | ---- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.8  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.1  | ---- |
| Hip Replacement/Reconstruction.....        | 15              | 0.0                 | 2.9  | ---- | 0.0     | 5.5  | ---- | 0.0      | 7.4  | ---- |
| Open Reduction of Hip Fracture.....        | 6               | 16.7                | 5.3  | ---- | 16.7    | 9.5  | ---- | 33.3     | 12.5 | ---- |
| Prostatectomy.....                         | 45              | 2.2                 | 1.0  | ---- | 2.2     | 2.3  | ---- | 2.2      | 3.7  | ---- |
| Cholecystectomy.....                       | 20              | 0.0                 | 2.9  | ---- | 0.0     | 4.9  | ---- | 0.0      | 6.0  | ---- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PIQUA MEMORIAL MEDICAL CENTER

Medicare Provider Number: 360149

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.1 years |
| Proportion female.....        | 58.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 42.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 13.4 % |
| Admitted for emergency.....                    | 51.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.6 %  |
| Chronic cardiovascular disease..... | 50.5 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 3.1 %  |
| Chronic pulmonary disease.....      | 20.9 % |
| Cerebrovascular degeneration.....   | 3.0 %  |
| Diabetes mellitus.....              | 9.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 81.9%  |
| State .....         | 16.9%  |
| Outside State ..... | 1.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.9 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 149                 |
| Occupancy Rate .....       | 57.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 39.4 %              |
| Case Mix Index (CMI) ..... | 1.0901              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 68     |
| Percent of Physicians Board<br>Certified Specialists ..... | 73.5 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 143    |
| Licensed Practical Nurses .....                            | 19     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# POTTERS MEDICAL CENTER

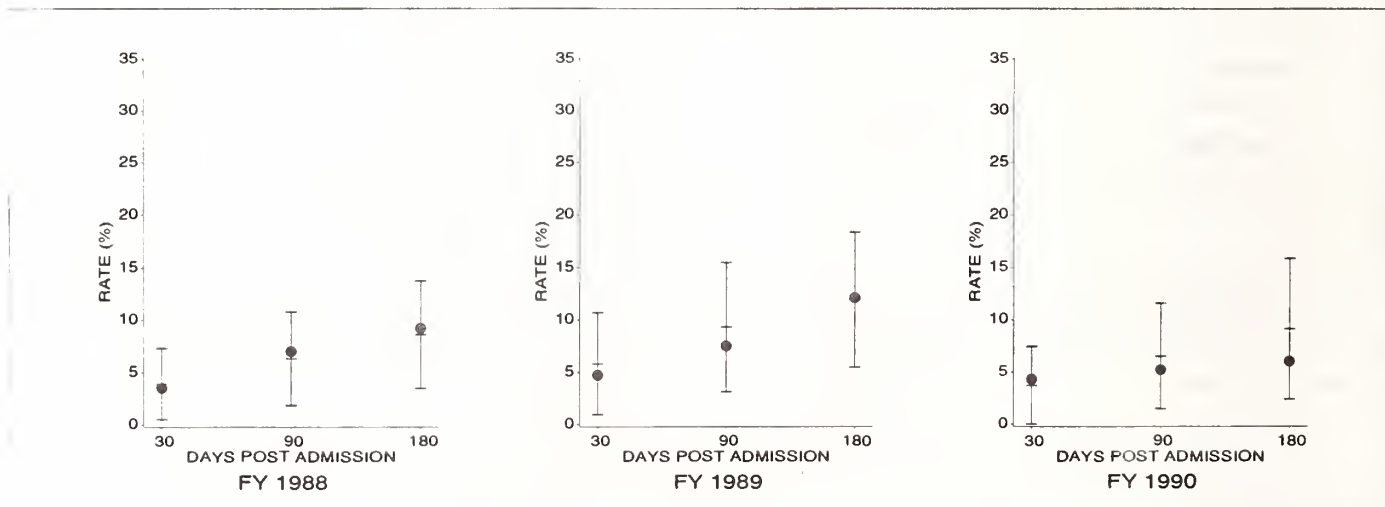
322 W 6TH ST  
EAST LIVERPOOL, OH 43920  
Medicare Provider Number: 360238

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 116                | 4.3                 | 3.7  | 1.9  | 5.2     | 6.5  | 2.5  | 6.0      | 9.1  | 3.4  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 9.8  | ---- | 50.0    | 11.6 | ---- | 50.0     | 13.8 | ---- |
| Congestive Heart Failure.....              | 7                  | 0.0                 | 10.1 | ---- | 0.0     | 16.4 | ---- | 0.0      | 21.8 | ---- |
| Pneumonia/Influenza.....                   | 4                  | 0.0                 | 14.1 | ---- | 0.0     | 18.5 | ---- | 0.0      | 22.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 9                  | 11.1                | 5.4  | ---- | 11.1    | 10.0 | ---- | 11.1     | 14.4 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 1.9  | ---- | 0.0     | 4.4  | ---- | 0.0      | 6.9  | ---- |
| Stroke.....                                | 1                  | 100.0               | 15.8 | ---- | 100.0   | 21.9 | ---- | 100.0    | 25.3 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 3                  | 0.0                 | 1.3  | ---- | 0.0     | 2.1  | ---- | 0.0      | 2.9  | ---- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# POTTERS MEDICAL CENTER

Medicare Provider Number: 360238

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 65.5 years  
Proportion female..... 53.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 100.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 76.7 %  
Admitted for emergency..... 23.3 %

### COMORBIDITIES:

Cancer..... 2.6 %  
Chronic cardiovascular disease..... 31.9 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 22.4 %  
Cerebrovascular degeneration..... 0.9 %  
Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.5%  
State ..... 16.8%  
Outside State ..... 7.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.4 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 43  
Occupancy Rate ..... 41.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 31.2 %  
Case Mix Index (CMI) ..... 0.9775

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PROVIDENCE HOSPITAL

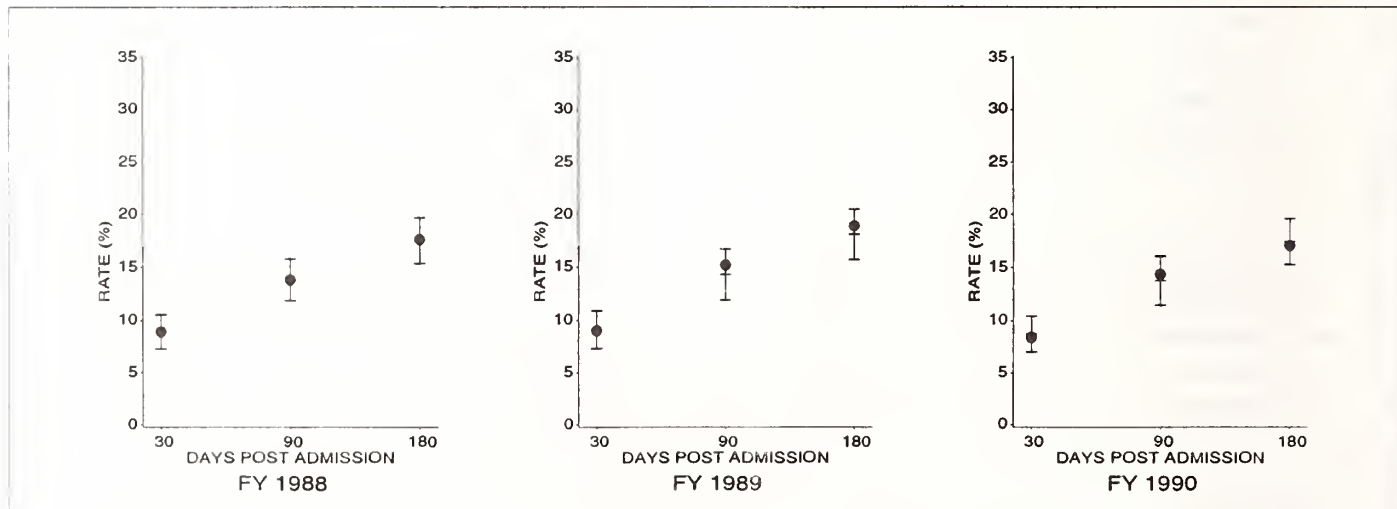
1912 SOUTH HAYES AVE  
SANDUSKY, OH 44870  
Medicare Provider Number: 360024

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1296               | 8.4                 | 8.7  | 0.9   | 14.3    | 13.7 | 1.2   | 17.0     | 17.4 | 1.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 33                 | 24.2                | 27.0 | ----- | 30.3    | 30.5 | ----- | 33.3     | 33.3 | ----- |
| Congestive Heart Failure.....              | 76                 | 7.9                 | 13.7 | 5.7   | 19.7    | 22.1 | 4.9   | 25.0     | 28.8 | 5.7   |
| Pneumonia/Influenza.....                   | 89                 | 15.7                | 16.2 | 4.4   | 22.5    | 22.6 | 4.5   | 28.1     | 27.0 | 4.9   |
| Chronic Obstructive Pulmonary Disease..... | 20                 | 10.0                | 9.3  | ----- | 20.0    | 15.7 | ----- | 25.0     | 20.6 | ----- |
| Transient Cerebral Ischemia.....           | 14                 | 0.0                 | 2.2  | ----- | 0.0     | 5.0  | ----- | 0.0      | 8.1  | ----- |
| Stroke.....                                | 46                 | 15.2                | 17.6 | ----- | 21.7    | 24.6 | ----- | 21.7     | 28.6 | ----- |
| Hip Fracture.....                          | 23                 | 13.0                | 7.4  | ----- | 13.0    | 13.3 | ----- | 13.0     | 17.4 | ----- |
| Sepsis.....                                | 4                  | 50.0                | 26.8 | ----- | 50.0    | 34.1 | ----- | 50.0     | 37.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 10                 | 10.0                | 5.2  | ----- | 10.0    | 11.0 | ----- | 20.0     | 15.9 | ----- |
| Carotid Endarterectomy.....                | 12                 | 0.0                 | 1.8  | ----- | 8.3     | 3.4  | ----- | 8.3      | 5.1  | ----- |
| Hip Replacement/Reconstruction.....        | 12                 | 8.3                 | 3.8  | ----- | 8.3     | 7.2  | ----- | 16.7     | 9.8  | ----- |
| Open Reduction of Hip Fracture.....        | 14                 | 7.1                 | 6.4  | ----- | 7.1     | 12.3 | ----- | 7.1      | 16.4 | ----- |
| Prostatectomy.....                         | 40                 | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 2.5      | 3.3  | ----- |
| Cholecystectomy.....                       | 13                 | 7.7                 | 3.0  | ----- | 7.7     | 4.8  | ----- | 7.7      | 6.0  | ----- |
| Hysterectomy.....                          | 5                  | 0.0                 | 0.1  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PROVIDENCE HOSPITAL

Medicare Provider Number: 360024

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 51.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.2 %  
Transferred from skilled nursing facility..... 1.5 %  
Admitted for elective procedure..... 21.0 %  
Admitted for emergency..... 58.1 %

### COMORBIDITIES:

Cancer..... 8.3 %  
Chronic cardiovascular disease..... 37.0 %  
Chronic liver disease..... 1.5 %  
Chronic renal disease..... 3.4 %  
Chronic pulmonary disease..... 18.1 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 13.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 72.9%  
State ..... 25.1%  
Outside State ..... 2.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.8 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 261  
Occupancy Rate ..... 42.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 50.1 %  
Case Mix Index (CMI) ..... 1.2117

### STAFFING:

Total Number of Physicians..... 92  
Percent of Physicians Board  
Certified Specialists ..... 64.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 102  
Licensed Practical Nurses ..... 54

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PROVIDENCE HOSPITAL

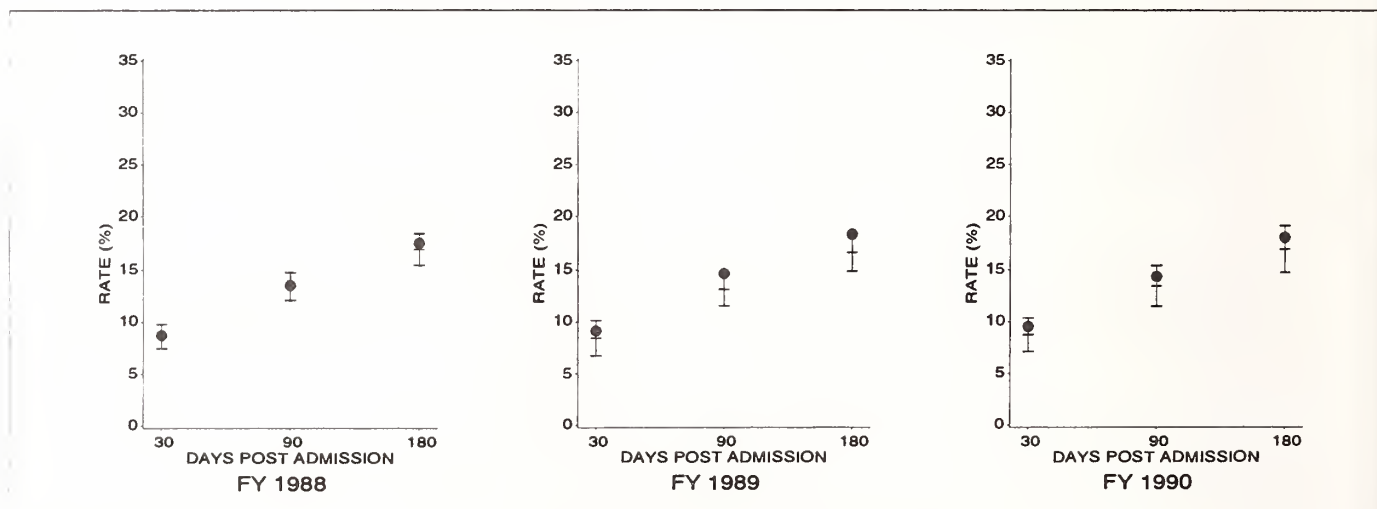
2446 KIPLING AVE  
CINCINNATI, OH 45239  
Medicare Provider Number: 360234

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3110            | 9.5                 | 8.7  | 0.8  | 14.3    | 13.4 | 1.0  | 18.0     | 16.9 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 97              | 26.8                | 24.2 | 5.5  | 29.9    | 27.4 | 6.4  | 37.1     | 30.3 | 7.9  |
| Congestive Heart Failure.....              | 169             | 15.4                | 14.2 | 2.9  | 22.5    | 22.7 | 3.3  | 26.6     | 29.2 | 4.2  |
| Pneumonia/Influenza.....                   | 184             | 15.8                | 14.9 | 2.7  | 25.0    | 20.6 | 4.3  | 28.3     | 24.5 | 5.1  |
| Chronic Obstructive Pulmonary Disease..... | 78              | 14.1                | 7.9  | 5.4  | 16.7    | 14.1 | 7.4  | 26.9     | 18.9 | 7.5  |
| Transient Cerebral Ischemia.....           | 50              | 0.0                 | 1.6  | ---- | 2.0     | 3.7  | ---- | 2.0      | 6.0  | ---- |
| Stroke.....                                | 139             | 25.2                | 18.7 | 6.1  | 30.9    | 24.7 | 6.4  | 34.5     | 28.6 | 6.0  |
| Hip Fracture.....                          | 82              | 7.3                 | 6.3  | 4.8  | 9.8     | 11.4 | 5.0  | 13.4     | 15.1 | 5.5  |
| Sepsis.....                                | 15              | 6.7                 | 21.7 | ---- | 13.3    | 29.1 | ---- | 20.0     | 33.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 49              | 10.2                | 4.0  | ---- | 10.2    | 7.8  | ---- | 12.2     | 11.3 | ---- |
| Carotid Endarterectomy.....                | 27              | 3.7                 | 1.1  | ---- | 3.7     | 2.2  | ---- | 3.7      | 3.3  | ---- |
| Hip Replacement/Reconstruction.....        | 50              | 4.0                 | 4.8  | ---- | 4.0     | 9.1  | ---- | 8.0      | 12.4 | ---- |
| Open Reduction of Hip Fracture.....        | 45              | 6.7                 | 6.0  | ---- | 8.9     | 11.1 | ---- | 11.1     | 14.9 | ---- |
| Prostatectomy.....                         | 116             | 0.0                 | 0.9  | 1.1  | 2.6     | 2.2  | 1.7  | 4.3      | 3.7  | 2.2  |
| Cholecystectomy.....                       | 74              | 0.0                 | 2.9  | 3.5  | 5.4     | 5.7  | 3.3  | 13.5     | 7.9  | 4.1  |
| Hysterectomy.....                          | 16              | 0.0                 | 0.8  | ---- | 0.0     | 1.9  | ---- | 0.0      | 3.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PROVIDENCE HOSPITAL

Medicare Provider Number: 360234

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 58.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 56.0 %  
Transferred from skilled nursing facility..... 1.5 %  
Admitted for elective procedure..... 31.1 %  
Admitted for emergency..... 55.7 %

### COMORBIDITIES:

Cancer..... 7.8 %  
Chronic cardiovascular disease..... 33.0 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 12.1 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 7.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 90.8%  
State ..... 4.4%  
Outside State ..... 4.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 218  
Occupancy Rate ..... 73.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 54.5 %  
Case Mix Index (CMI) ..... 1.2263

### STAFFING:

Total Number of Physicians..... 394  
Percent of Physicians Board  
Certified Specialists ..... 70.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 228  
Licensed Practical Nurses ..... 50

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# RICHMOND HEIGHTS GENERAL HOSPITAL

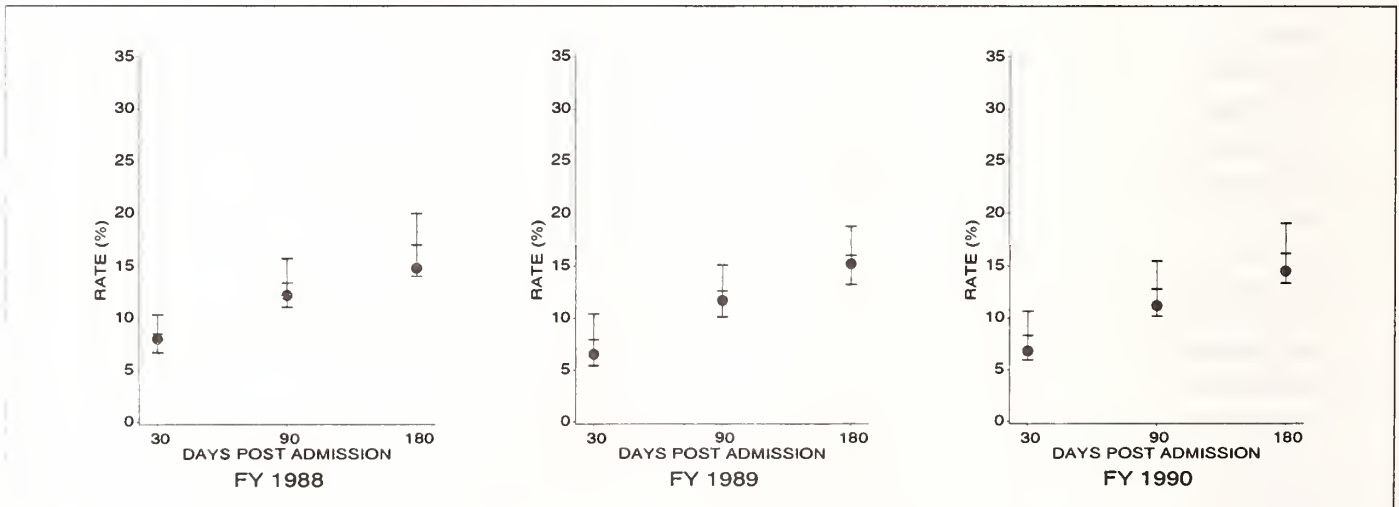
27100 CHARDON ROAD  
RICHMOND HEIGHTS, OH 44143  
Medicare Provider Number: 360162

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1162            | 6.8                 | 8.3  | 1.2   | 11.2    | 12.8 | 1.3   | 14.5     | 16.2 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 26              | 38.5                | 34.3 | ----- | 50.0    | 37.3 | ----- | 50.0     | 40.0 | ----- |
| Congestive Heart Failure.....              | 74              | 10.8                | 15.7 | 5.3   | 17.6    | 25.3 | 7.3   | 21.6     | 31.6 | 8.4   |
| Pneumonia/Influenza.....                   | 52              | 9.6                 | 15.1 | 8.3   | 15.4    | 21.1 | 11.3  | 23.1     | 25.0 | 12.5  |
| Chronic Obstructive Pulmonary Disease..... | 32              | 6.3                 | 7.1  | ----- | 9.4     | 12.1 | ----- | 12.5     | 16.3 | ----- |
| Transient Cerebral Ischemia.....           | 25              | 0.0                 | 2.2  | ----- | 0.0     | 4.8  | ----- | 0.0      | 7.4  | ----- |
| Stroke.....                                | 49              | 8.2                 | 15.5 | ----- | 14.3    | 22.1 | ----- | 18.4     | 25.6 | ----- |
| Hip Fracture.....                          | 19              | 10.5                | 6.1  | ----- | 21.1    | 10.4 | ----- | 21.1     | 13.2 | ----- |
| Sepsis.....                                | 7               | 14.3                | 21.0 | ----- | 14.3    | 26.1 | ----- | 14.3     | 29.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 1.5  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.4  | ----- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 1.6  | ----- | 0.0     | 2.8  | ----- | 0.0      | 3.9  | ----- |
| Hip Replacement/Reconstruction.....        | 13              | 0.0                 | 3.5  | ----- | 7.7     | 6.6  | ----- | 7.7      | 8.8  | ----- |
| Open Reduction of Hip Fracture.....        | 6               | 33.3                | 7.0  | ----- | 33.3    | 11.9 | ----- | 33.3     | 15.0 | ----- |
| Prostatectomy.....                         | 31              | 0.0                 | 1.3  | ----- | 3.2     | 3.1  | ----- | 6.5      | 5.3  | ----- |
| Cholecystectomy.....                       | 13              | 0.0                 | 1.7  | ----- | 7.7     | 2.9  | ----- | 7.7      | 3.7  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RICHMOND HEIGHTS GENERAL HOSPITAL

Medicare Provider Number: 360162

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.5 years |
| Proportion female.....        | 58.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.0 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 0.1 %  |
| Admitted for emergency.....                    | 26.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.6 %  |
| Chronic cardiovascular disease..... | 33.8 % |
| Chronic liver disease.....          | 2.0 %  |
| Chronic renal disease.....          | 3.5 %  |
| Chronic pulmonary disease.....      | 22.9 % |
| Cerebrovascular degeneration.....   | 2.2 %  |
| Diabetes mellitus.....              | 7.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 60.4%  |
| State .....         | 38.2%  |
| Outside State ..... | 1.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.9 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 138                 |
| Occupancy Rate .....       | 42.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | (Not Available)     |
| Case Mix Index (CMI) ..... | 1.1847              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses .....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIVERSIDE HOSPITAL

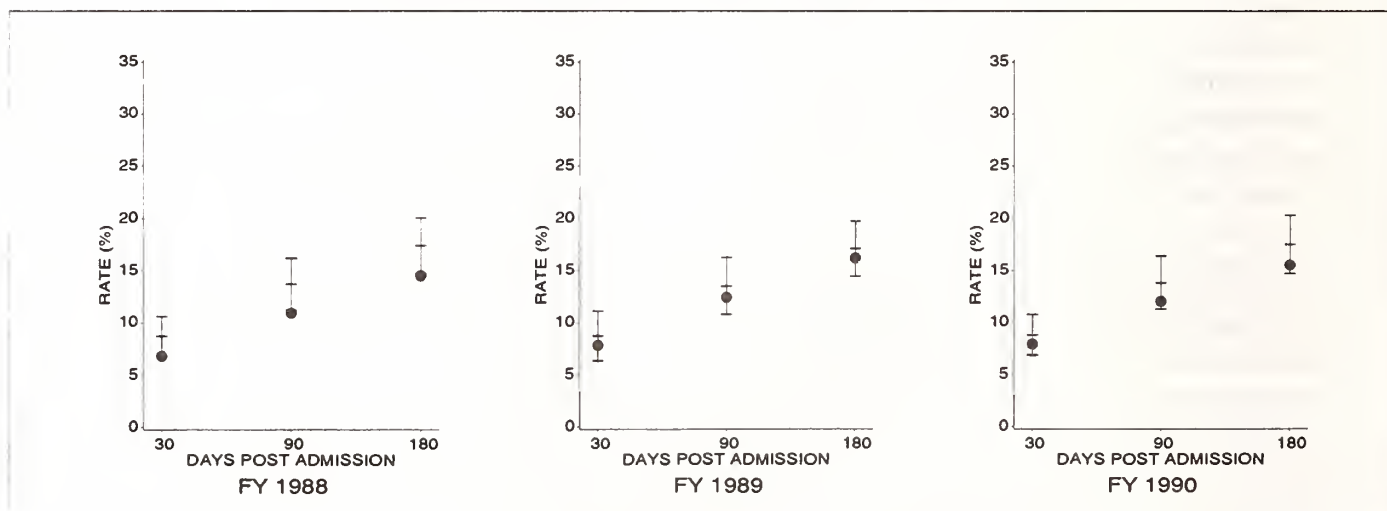
1600 SUPERIOR STREET  
TOLEDO, OH 43604  
Medicare Provider Number: 360094

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1628            | 7.9                 | 8.8  | 1.0  | 12.0    | 13.8 | 1.3  | 15.5     | 17.5 | 1.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 42              | 21.4                | 23.5 | ---- | 28.6    | 27.0 | ---- | 31.0     | 29.6 | ---- |
| Congestive Heart Failure.....              | 99              | 10.1                | 14.8 | 4.8  | 17.2    | 23.8 | 7.0  | 21.2     | 30.3 | 7.7  |
| Pneumonia/Influenza.....                   | 89              | 10.1                | 16.4 | 6.1  | 15.7    | 22.6 | 6.6  | 22.5     | 26.6 | 5.7  |
| Chronic Obstructive Pulmonary Disease..... | 62              | 0.0                 | 6.8  | 4.4  | 4.8     | 12.2 | 5.7  | 9.7      | 16.4 | 6.9  |
| Transient Cerebral Ischemia.....           | 53              | 1.9                 | 2.0  | 1.9  | 3.8     | 4.4  | 2.9  | 7.5      | 7.0  | 4.4  |
| Stroke.....                                | 44              | 11.4                | 15.6 | ---- | 20.5    | 21.5 | ---- | 27.3     | 25.3 | ---- |
| Hip Fracture.....                          | 23              | 8.7                 | 7.5  | ---- | 8.7     | 13.3 | ---- | 13.0     | 17.0 | ---- |
| Sepsis.....                                | 23              | 21.7                | 27.2 | ---- | 30.4    | 36.8 | ---- | 34.8     | 42.3 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 1.9  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.5  | ---- |
| Carotid Endarterectomy.....                | 16              | 0.0                 | 1.4  | ---- | 0.0     | 2.7  | ---- | 0.0      | 3.9  | ---- |
| Hip Replacement/Reconstruction.....        | 8               | 0.0                 | 5.0  | ---- | 0.0     | 9.6  | ---- | 12.5     | 13.1 | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 5.3  | ---- | 0.0     | 10.1 | ---- | 0.0      | 13.3 | ---- |
| Prostatectomy.....                         | 43              | 4.7                 | 1.1  | ---- | 4.7     | 2.5  | ---- | 4.7      | 4.2  | ---- |
| Cholecystectomy.....                       | 23              | 4.3                 | 1.6  | ---- | 4.3     | 2.9  | ---- | 4.3      | 3.9  | ---- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# RIVERSIDE HOSPITAL

Medicare Provider Number: 360094

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.2 years |
| Proportion female.....        | 58.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 36.2 % |
| Transferred from skilled nursing facility..... | 5.8 %  |
| Admitted for elective procedure.....           | 20.9 % |
| Admitted for emergency.....                    | 58.6 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.7 %  |
| Chronic cardiovascular disease..... | 35.4 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 1.7 %  |
| Chronic pulmonary disease.....      | 20.7 % |
| Cerebrovascular degeneration.....   | 4.8 %  |
| Diabetes mellitus.....              | 8.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 85.7%  |
| State .....         | 7.5%   |
| Outside State ..... | 6.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.4 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 254                 |
| Occupancy Rate .....       | 59.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | (Not Available)     |
| Case Mix Index (CMI) ..... | 1.1831              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 132             |
| Percent of Physicians Board<br>Certified Specialists ..... | 57.6 %          |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses .....                                    | (Not Available) |
| Licensed Practical Nurses .....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit .....                      | No  |
| Cardiac Intensive Care .....         | No  |
| Comprehensive Geriatric .....        | No  |
| Hospice Care .....                   | Yes |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant .....        | No  |
| Other Intensive Care .....           | No  |
| Trauma Center .....                  | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric.....          | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# RIVERSIDE METHODIST HOSPITAL

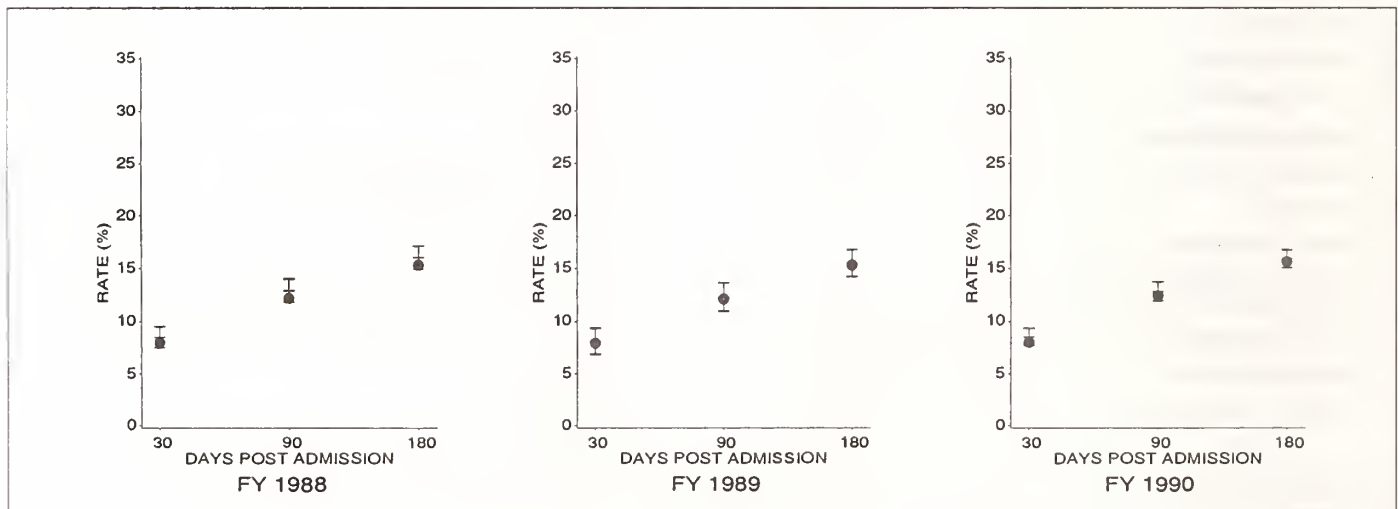
3535 OLENTANGY RIVER RD  
COLUMBUS, OH 43214  
Medicare Provider Number: 360006

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 7793            | 8.0                 | 8.5  | 0.4   | 12.4    | 12.8 | 0.5   | 15.6     | 15.9 | 0.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 295             | 21.4                | 25.4 | 3.2   | 26.1    | 28.1 | 3.3   | 27.1     | 30.7 | 3.4   |
| Congestive Heart Failure.....              | 316             | 13.9                | 14.5 | 2.1   | 24.1    | 22.8 | 2.9   | 29.4     | 28.7 | 2.6   |
| Pneumonia/Influenza.....                   | 241             | 15.8                | 17.2 | 3.3   | 21.2    | 23.3 | 5.2   | 24.9     | 27.1 | 5.8   |
| Chronic Obstructive Pulmonary Disease..... | 89              | 14.6                | 11.3 | 5.4   | 21.3    | 18.8 | 6.0   | 28.1     | 24.2 | 6.0   |
| Transient Cerebral Ischemia.....           | 126             | 0.8                 | 1.9  | 1.6   | 1.6     | 4.1  | 2.8   | 4.0      | 6.4  | 3.0   |
| Stroke.....                                | 204             | 18.1                | 24.9 | 4.4   | 25.0    | 30.5 | 4.1   | 31.4     | 33.9 | 4.4   |
| Hip Fracture.....                          | 195             | 9.2                 | 8.0  | 2.5   | 12.3    | 13.8 | 2.7   | 16.4     | 17.5 | 2.9   |
| Sepsis.....                                | 60              | 31.7                | 26.5 | 9.5   | 41.7    | 33.5 | 9.8   | 45.0     | 37.7 | 9.6   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 363             | 1.9                 | 3.1  | 1.2   | 2.8     | 4.1  | 1.5   | 3.3      | 5.0  | 1.8   |
| Coronary Artery Bypass Graft.....          | 351             | 5.4                 | 6.2  | 1.6   | 8.0     | 8.7  | 1.6   | 9.4      | 9.8  | 1.7   |
| Initial Pacemaker Insertion.....           | 38              | 0.0                 | 3.0  | ----- | 0.0     | 6.3  | ----- | 5.3      | 9.4  | ----- |
| Carotid Endarterectomy.....                | 27              | 3.7                 | 1.7  | ----- | 3.7     | 3.0  | ----- | 3.7      | 4.2  | ----- |
| Hip Replacement/Reconstruction.....        | 210             | 3.8                 | 3.0  | 1.4   | 4.8     | 5.3  | 1.6   | 7.1      | 6.9  | 2.1   |
| Open Reduction of Hip Fracture.....        | 82              | 2.4                 | 6.8  | 3.6   | 6.1     | 12.1 | 4.6   | 12.2     | 15.9 | 4.5   |
| Prostatectomy.....                         | 222             | 0.5                 | 1.1  | 1.3   | 2.7     | 2.4  | 1.1   | 3.6      | 4.0  | 1.4   |
| Cholecystectomy.....                       | 151             | 4.6                 | 2.5  | 2.6   | 7.9     | 4.4  | 4.0   | 8.6      | 5.9  | 4.2   |
| Hysterectomy.....                          | 62              | 0.0                 | 0.8  | 1.3   | 0.0     | 1.9  | 2.2   | 1.6      | 3.1  | 2.5   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RIVERSIDE METHODIST HOSPITAL

Medicare Provider Number: 360006

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.4 years |
| Proportion female.....        | 54.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 44.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 31.1 % |
| Admitted for emergency.....                    | 53.6 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.8 %  |
| Chronic cardiovascular disease..... | 49.2 % |
| Chronic liver disease.....          | 1.1 %  |
| Chronic renal disease.....          | 3.1 %  |
| Chronic pulmonary disease.....      | 13.4 % |
| Cerebrovascular degeneration.....   | 2.5 %  |
| Diabetes mellitus.....              | 7.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 62.7%  |
| State.....          | 34.2%  |
| Outside State ..... | 3.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.2 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 888    |
| Occupancy Rate .....       | 81.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 32.0 % |
| Case Mix Index (CMI) ..... | 1.6145 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 524    |
| Percent of Physicians Board<br>Certified Specialists..... | 76.9 % |
| Medical Residents/Interns .....                           | 127    |
| Registered Nurses.....                                    | 1095   |
| Licensed Practical Nurses .....                           | 76     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ROBINSON MEMORIAL HOSPITAL

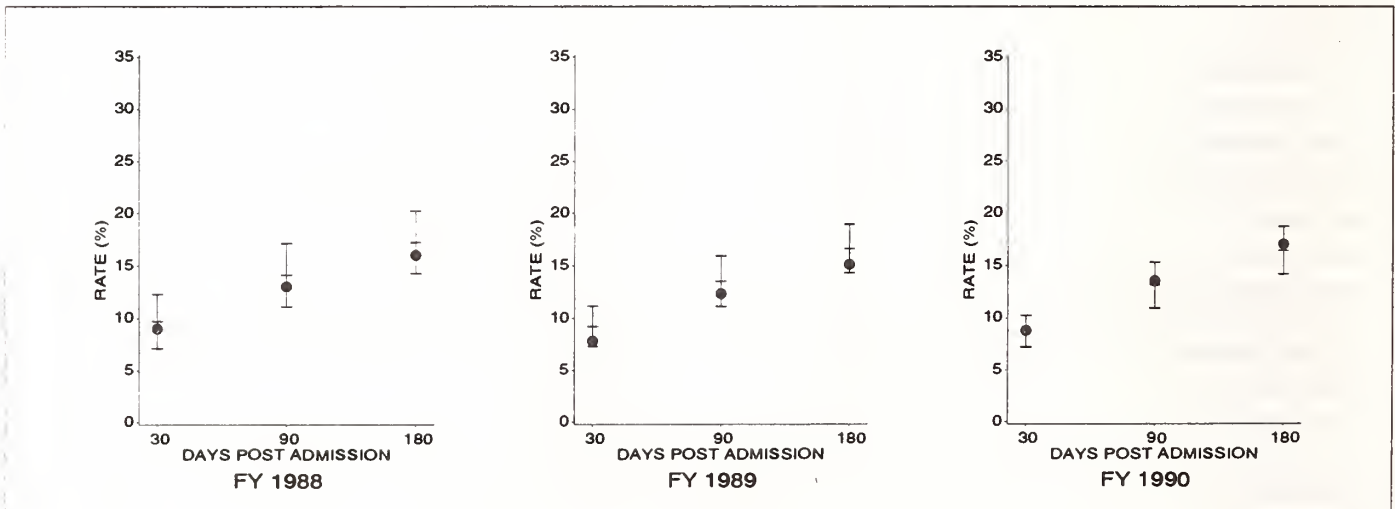
6847 N CHESTNUT  
RAVENNA, OH 44266  
Medicare Provider Number: 360078

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2160            | 8.8                 | 8.7  | 0.8  | 13.5    | 13.1 | 1.1  | 17.0     | 16.4 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 68              | 25.0                | 29.4 | 6.3  | 27.9    | 31.9 | 6.2  | 29.4     | 34.4 | 6.7  |
| Congestive Heart Failure.....              | 132             | 18.2                | 13.9 | 5.6  | 26.5    | 22.1 | 6.1  | 34.1     | 28.3 | 7.0  |
| Pneumonia/Influenza.....                   | 107             | 12.1                | 15.1 | 3.9  | 19.6    | 21.4 | 5.4  | 21.5     | 25.2 | 6.0  |
| Chronic Obstructive Pulmonary Disease..... | 60              | 8.3                 | 7.1  | 5.0  | 13.3    | 12.5 | 4.3  | 18.3     | 16.7 | 5.1  |
| Transient Cerebral Ischemia.....           | 50              | 0.0                 | 1.6  | ---- | 4.0     | 3.7  | ---- | 6.0      | 6.0  | ---- |
| Stroke.....                                | 91              | 23.1                | 20.6 | 4.7  | 30.8    | 27.1 | 7.0  | 36.3     | 31.0 | 7.5  |
| Hip Fracture.....                          | 58              | 5.2                 | 6.2  | 3.4  | 13.8    | 10.8 | 5.1  | 17.2     | 14.1 | 5.3  |
| Sepsis.....                                | 40              | 22.5                | 22.9 | ---- | 27.5    | 30.5 | ---- | 35.0     | 34.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 3               | 0.0                 | 8.7  | ---- | 0.0     | 9.4  | ---- | 0.0      | 10.3 | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 7.0  | ---- | 0.0     | 11.7 | ---- | 0.0      | 14.8 | ---- |
| Carotid Endarterectomy.....                | 27              | 0.0                 | 1.3  | ---- | 3.7     | 2.5  | ---- | 3.7      | 3.7  | ---- |
| Hip Replacement/Reconstruction.....        | 27              | 7.4                 | 3.0  | ---- | 14.8    | 5.5  | ---- | 18.5     | 7.4  | ---- |
| Open Reduction of Hip Fracture.....        | 30              | 0.0                 | 5.7  | ---- | 10.0    | 10.0 | ---- | 10.0     | 13.1 | ---- |
| Prostatectomy.....                         | 37              | 2.7                 | 0.5  | ---- | 2.7     | 1.1  | ---- | 2.7      | 1.9  | ---- |
| Cholecystectomy.....                       | 42              | 0.0                 | 2.3  | ---- | 4.8     | 4.2  | ---- | 7.1      | 5.6  | ---- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ROBINSON MEMORIAL HOSPITAL

Medicare Provider Number: 360078

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.5 years |
| Proportion female.....        | 57.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 29.3 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 13.1 % |
| Admitted for emergency.....                    | 68.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.1 %  |
| Chronic cardiovascular disease..... | 37.8 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 1.5 %  |
| Chronic pulmonary disease.....      | 16.1 % |
| Cerebrovascular degeneration.....   | 3.5 %  |
| Diabetes mellitus.....              | 7.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.2%  |
| State .....         | 11.3%  |
| Outside State ..... | 2.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.7 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 285              |
| Occupancy Rate .....       | 54.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | (Not Available)  |
| Case Mix Index (CMI) ..... | 1.2304           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 118    |
| Percent of Physicians Board<br>Certified Specialists ..... | 66.1 % |
| Medical Residents/Interns .....                            | 20     |
| Registered Nurses.....                                     | 219    |
| Licensed Practical Nurses .....                            | 74     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SALEM COMMUNITY HOSPITAL

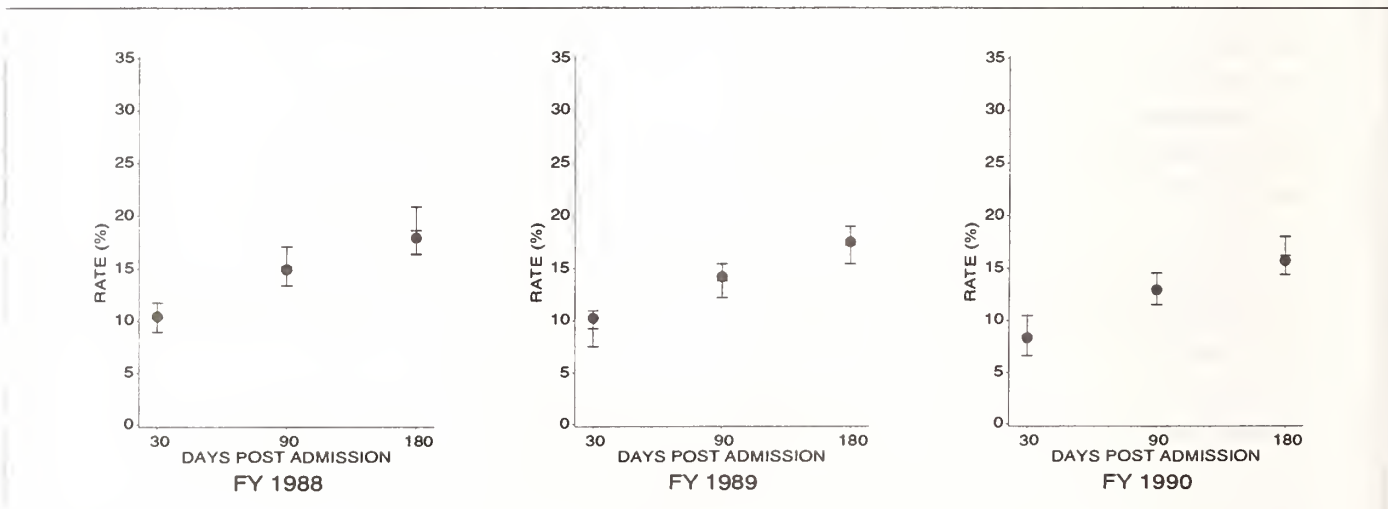
1995 EAST STATE STREET  
SALEM, OH 44460  
Medicare Provider Number: 360185

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1932            | 8.3                 | 8.5  | 1.0  | 12.9    | 13.0 | 0.8  | 15.7     | 16.2 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 87              | 24.1                | 26.3 | 4.9  | 28.7    | 28.9 | 5.6  | 29.9     | 31.6 | 6.0  |
| Congestive Heart Failure.....              | 107             | 11.2                | 14.1 | 4.9  | 21.5    | 22.6 | 4.8  | 25.2     | 28.5 | 5.4  |
| Pneumonia/Influenza.....                   | 116             | 15.5                | 14.8 | 4.9  | 19.8    | 20.3 | 4.5  | 20.7     | 24.0 | 5.5  |
| Chronic Obstructive Pulmonary Disease..... | 26              | 0.0                 | 9.6  | ---- | 7.7     | 17.1 | ---- | 7.7      | 22.5 | ---- |
| Transient Cerebral Ischemia.....           | 36              | 0.0                 | 1.8  | ---- | 2.8     | 3.9  | ---- | 2.8      | 6.2  | ---- |
| Stroke.....                                | 82              | 25.6                | 20.2 | 4.8  | 29.3    | 27.3 | 5.0  | 30.5     | 31.4 | 5.3  |
| Hip Fracture.....                          | 52              | 3.8                 | 7.7  | 5.4  | 11.5    | 13.0 | 5.6  | 13.5     | 16.5 | 6.0  |
| Sepsis.....                                | 24              | 33.3                | 25.5 | ---- | 45.8    | 32.6 | ---- | 50.0     | 36.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 14              | 7.1                 | 3.1  | ---- | 7.1     | 5.7  | ---- | 7.1      | 8.3  | ---- |
| Carotid Endarterectomy.....                | 10              | 10.0                | 1.2  | ---- | 10.0    | 2.2  | ---- | 10.0     | 3.2  | ---- |
| Hip Replacement/Reconstruction.....        | 29              | 6.9                 | 3.7  | ---- | 6.9     | 6.8  | ---- | 6.9      | 9.0  | ---- |
| Open Reduction of Hip Fracture.....        | 31              | 0.0                 | 6.2  | ---- | 6.5     | 11.0 | ---- | 9.7      | 14.5 | ---- |
| Prostatectomy.....                         | 94              | 0.0                 | 0.7  | 1.0  | 0.0     | 1.7  | 1.8  | 0.0      | 3.1  | 2.7  |
| Cholecystectomy.....                       | 58              | 5.2                 | 2.7  | 3.0  | 5.2     | 4.7  | 3.1  | 5.2      | 6.2  | 4.6  |
| Hysterectomy.....                          | 23              | 0.0                 | 0.8  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SALEM COMMUNITY HOSPITAL

Medicare Provider Number: 360185

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.5 years |
| Proportion female.....        | 54.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 91.1 % |
| Transferred from skilled nursing facility..... | 1.3 %  |
| Admitted for elective procedure.....           | 15.9 % |
| Admitted for emergency.....                    | 57.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.2 %  |
| Chronic cardiovascular disease..... | 49.3 % |
| Chronic liver disease.....          | 1.3 %  |
| Chronic renal disease.....          | 1.3 %  |
| Chronic pulmonary disease.....      | 17.4 % |
| Cerebrovascular degeneration.....   | 3.0 %  |
| Diabetes mellitus.....              | 9.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 83.2%  |
| State .....         | 14.0%  |
| Outside State ..... | 2.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.3 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 237                 |
| Occupancy Rate .....       | 47.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 40.5 %              |
| Case Mix Index (CMI) ..... | 1.1900              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 63     |
| Percent of Physicians Board<br>Certified Specialists ..... | 71.4 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 151    |
| Licensed Practical Nurses.....                             | 92     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SAMARITAN HOSPITAL

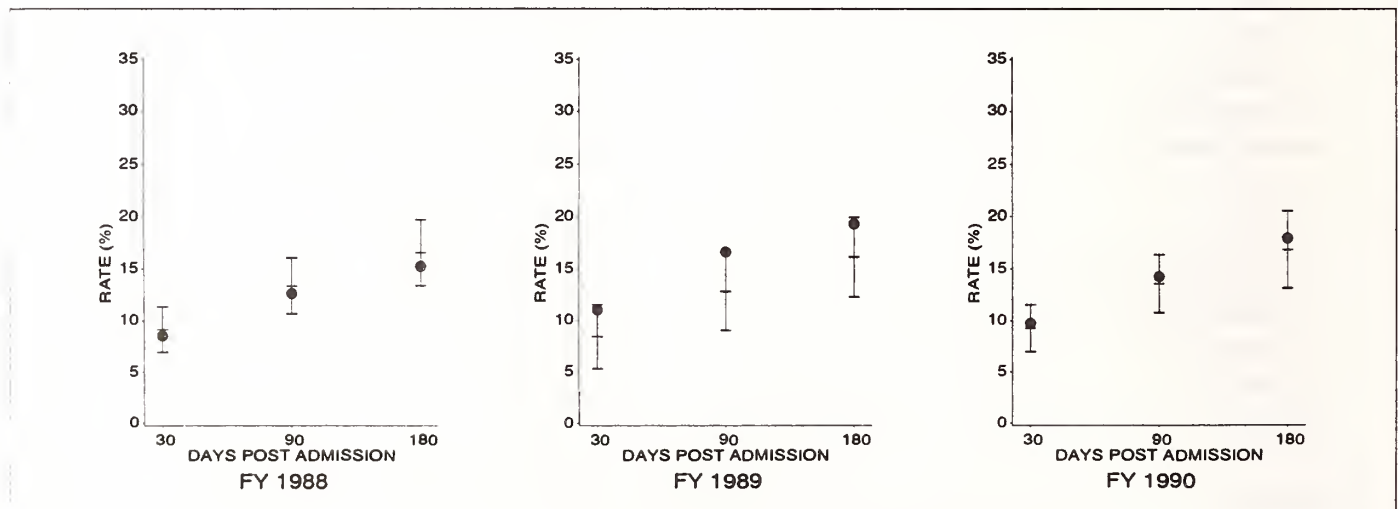
1025 CENTER ST  
ASHLAND, OH 44805  
Medicare Provider Number: 360002

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 744             | 9.7                 | 9.2  | 1.1  | 14.2    | 13.5 | 1.4  | 17.9     | 16.8 | 1.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 39              | 20.5                | 23.9 | ---- | 33.3    | 27.3 | ---- | 35.9     | 30.1 | ---- |
| Congestive Heart Failure.....              | 61              | 19.7                | 15.2 | 5.9  | 26.2    | 24.1 | 6.6  | 36.1     | 30.6 | 9.3  |
| Pneumonia/Influenza.....                   | 32              | 15.6                | 13.3 | ---- | 21.9    | 18.4 | ---- | 25.0     | 21.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 19              | 5.3                 | 9.2  | ---- | 5.3     | 16.0 | ---- | 5.3      | 20.9 | ---- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 3.6  | ---- | 12.5    | 7.5  | ---- | 12.5     | 11.5 | ---- |
| Stroke.....                                | 28              | 21.4                | 22.5 | ---- | 35.7    | 29.6 | ---- | 39.3     | 33.7 | ---- |
| Hip Fracture.....                          | 30              | 3.3                 | 5.8  | ---- | 6.7     | 10.4 | ---- | 6.7      | 13.7 | ---- |
| Sepsis.....                                | 7               | 14.3                | 18.9 | ---- | 14.3    | 27.3 | ---- | 14.3     | 32.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 1.9  | ---- | 0.0     | 3.9  | ---- | 0.0      | 5.8  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 3.1  | ---- | 5.6     | 5.9  | ---- | 5.6      | 8.1  | ---- |
| Open Reduction of Hip Fracture.....        | 16              | 6.3                 | 5.6  | ---- | 6.3     | 10.1 | ---- | 6.3      | 13.1 | ---- |
| Prostatectomy.....                         | 26              | 0.0                 | 0.6  | ---- | 3.8     | 1.6  | ---- | 3.8      | 3.0  | ---- |
| Cholecystectomy.....                       | 17              | 0.0                 | 1.2  | ---- | 0.0     | 2.1  | ---- | 0.0      | 2.8  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.1  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SAMARITAN HOSPITAL

Medicare Provider Number: 360002

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.4 years |
| Proportion female.....        | 62.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 44.0 % |
| Transferred from skilled nursing facility..... | 0.1 %  |
| Admitted for elective procedure.....           | 12.8 % |
| Admitted for emergency.....                    | 56.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.4 %  |
| Chronic cardiovascular disease..... | 40.2 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 2.2 %  |
| Chronic pulmonary disease.....      | 11.7 % |
| Cerebrovascular degeneration.....   | 2.8 %  |
| Diabetes mellitus.....              | 9.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 87.8%  |
| State .....         | 11.5%  |
| Outside State ..... | 0.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.5 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 65                  |
| Occupancy Rate .....       | 47.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 41.5 %              |
| Case Mix Index (CMI) ..... | 1.1340              |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 40     |
| Percent of Physicians Board<br>Certified Specialists..... | 67.5 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 56     |
| Licensed Practical Nurses .....                           | 22     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SELBY GENERAL HOSPITAL

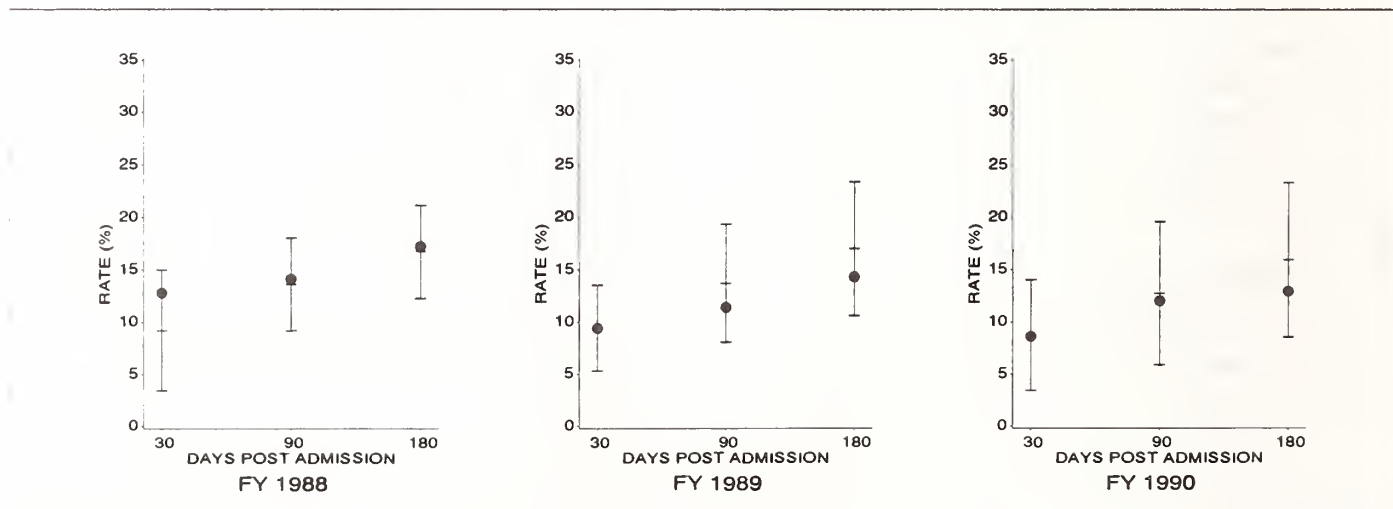
1106 COLEGATE DR  
MARIETTA, OH 45750  
Medicare Provider Number: 360178

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 325                | 8.6                 | 8.7  | 2.7  | 12.0    | 12.7 | 3.4  | 12.9     | 15.9 | 3.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 16                 | 0.0                 | 17.6 | ---- | 6.3     | 20.2 | ---- | 6.3      | 22.6 | ---- |
| Congestive Heart Failure.....              | 15                 | 0.0                 | 11.1 | ---- | 6.7     | 18.8 | ---- | 6.7      | 24.8 | ---- |
| Pneumonia/Influenza.....                   | 15                 | 6.7                 | 14.7 | ---- | 13.3    | 19.4 | ---- | 20.0     | 22.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 2.9  | ---- | 0.0     | 5.6  | ---- | 0.0      | 7.7  | ---- |
| Transient Cerebral Ischemia.....           | 13                 | 15.4                | 4.1  | ---- | 15.4    | 8.8  | ---- | 15.4     | 13.5 | ---- |
| Stroke.....                                | 3                  | 66.7                | 11.3 | ---- | 66.7    | 15.0 | ---- | 66.7     | 18.1 | ---- |
| Hip Fracture.....                          | 5                  | 0.0                 | 6.1  | ---- | 0.0     | 10.9 | ---- | 0.0      | 13.8 | ---- |
| Sepsis.....                                | 3                  | 33.3                | 34.6 | ---- | 66.7    | 43.0 | ---- | 66.7     | 49.8 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 5                  | 0.0                 | 4.0  | ---- | 0.0     | 7.5  | ---- | 0.0      | 9.7  | ---- |
| Open Reduction of Hip Fracture.....        | 2                  | 0.0                 | 5.3  | ---- | 0.0     | 9.7  | ---- | 0.0      | 12.0 | ---- |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 11                 | 0.0                 | 0.9  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.0  | ---- |
| Hysterectomy.....                          | 4                  | 0.0                 | 1.0  | ---- | 0.0     | 2.0  | ---- | 0.0      | 2.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SELBY GENERAL HOSPITAL

Medicare Provider Number: 360178

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.1 years  
Proportion female..... 60.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.8 %  
Transferred from skilled nursing facility..... 4.3 %  
Admitted for elective procedure..... 11.4 %  
Admitted for emergency..... 50.2 %

### COMORBIDITIES:

Cancer..... 3.4 %  
Chronic cardiovascular disease..... 36.9 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 12.0 %  
Chronic pulmonary disease..... 22.8 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 8.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 63.2%  
State ..... 14.3%  
Outside State ..... 22.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 75  
Occupancy Rate ..... 28.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 45.3 %  
Case Mix Index (CMI) ..... 1.1547

### STAFFING:

Total Number of Physicians..... 23  
Percent of Physicians Board  
Certified Specialists ..... 21.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 39  
Licensed Practical Nurses ..... 30

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SHELBY MEMORIAL HOSPITAL

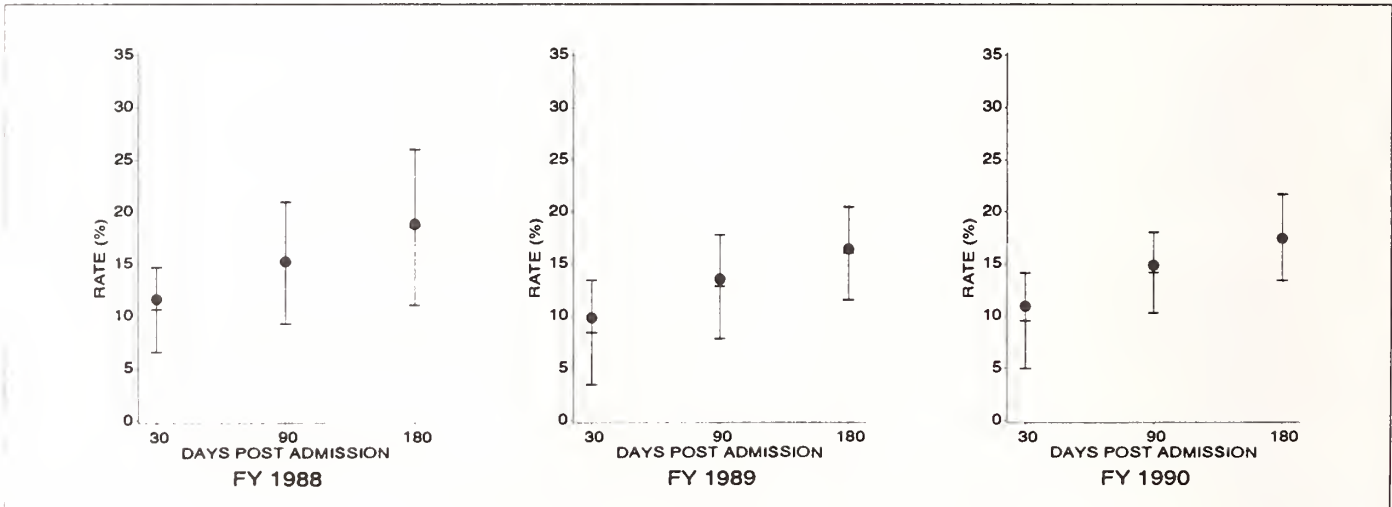
MORRIS ROAD  
SHELBY, OH 44875  
Medicare Provider Number: 360135

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 357             | 10.9                | 9.5  | 2.3   | 14.8    | 14.1 | 1.9   | 17.4     | 17.5 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9               | 22.2                | 26.5 | ----- | 22.2    | 29.3 | ----- | 33.3     | 31.9 | ----- |
| Congestive Heart Failure.....              | 21              | 38.1                | 15.0 | ----- | 38.1    | 23.4 | ----- | 38.1     | 29.1 | ----- |
| Pneumonia/Influenza.....                   | 41              | 14.6                | 14.2 | ----- | 22.0    | 19.3 | ----- | 22.0     | 23.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 8.3  | ----- | 0.0     | 15.0 | ----- | 0.0      | 20.6 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.7  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.8  | ----- |
| Stroke.....                                | 11              | 45.5                | 22.6 | ----- | 45.5    | 30.6 | ----- | 45.5     | 35.2 | ----- |
| Hip Fracture.....                          | 11              | 9.1                 | 6.5  | ----- | 9.1     | 11.1 | ----- | 9.1      | 14.4 | ----- |
| Sepsis.....                                | 4               | 0.0                 | 23.8 | ----- | 25.0    | 27.6 | ----- | 25.0     | 30.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 5               | 0.0                 | 4.2  | ----- | 0.0     | 7.9  | ----- | 0.0      | 10.4 | ----- |
| Open Reduction of Hip Fracture.....        | 4               | 0.0                 | 4.3  | ----- | 0.0     | 7.5  | ----- | 0.0      | 9.7  | ----- |
| Prostatectomy.....                         | 6               | 0.0                 | 0.5  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.2  | ----- |
| Cholecystectomy.....                       | 7               | 0.0                 | 6.4  | ----- | 28.6    | 12.2 | ----- | 42.9     | 15.9 | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SHELBY MEMORIAL HOSPITAL

Medicare Provider Number: 360135

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.5 years |
| Proportion female.....        | 59.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 39.2 % |
| Transferred from skilled nursing facility..... | 1.4 %  |
| Admitted for elective procedure.....           | 7.6 %  |
| Admitted for emergency.....                    | 31.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.8 %  |
| Chronic cardiovascular disease..... | 41.7 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 2.2 %  |
| Chronic pulmonary disease.....      | 18.5 % |
| Cerebrovascular degeneration.....   | 3.4 %  |
| Diabetes mellitus.....              | 5.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 88.3%  |
| State .....         | 9.9%   |
| Outside State ..... | 1.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.4 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 68                  |
| Occupancy Rate .....       | 26.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 33.4 %              |
| Case Mix Index (CMI) ..... | 1.1178              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 51     |
| Percent of Physicians Board<br>Certified Specialists ..... | 52.9 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 31     |
| Licensed Practical Nurses .....                            | 27     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTHERN OHIO MEDICAL CENTER

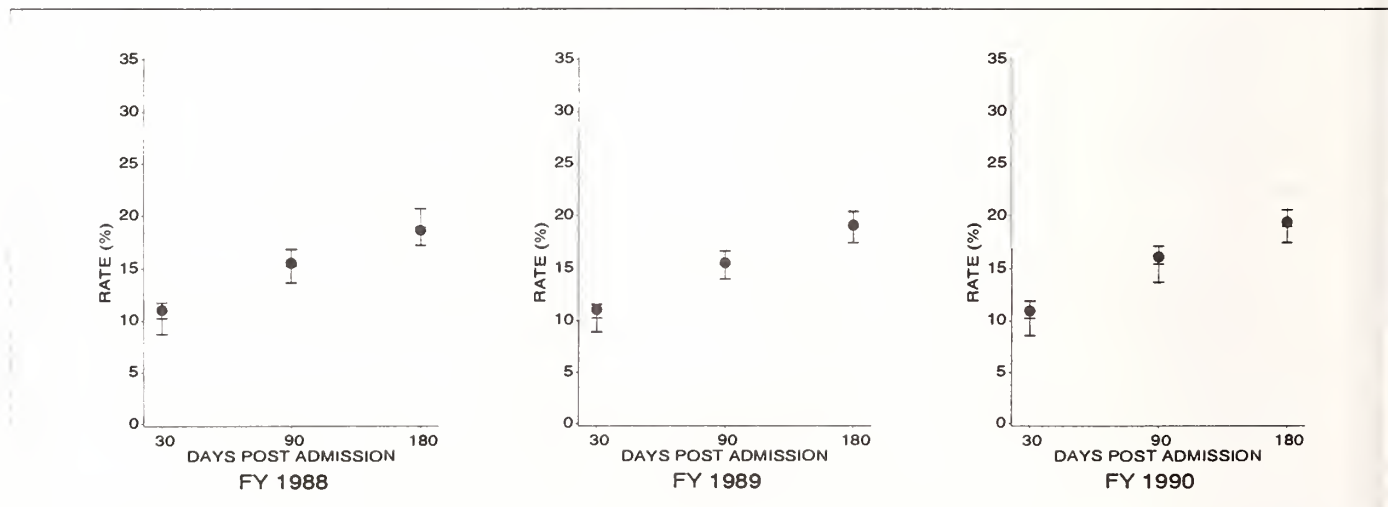
1805 27TH STREET  
PORTSMOUTH, OH 45662  
Medicare Provider Number: 360008

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3048               | 10.9                | 10.2 | 0.8  | 16.1    | 15.4 | 0.9  | 19.4     | 19.0 | 0.8  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 94                 | 36.2                | 32.5 | 9.4  | 44.7    | 35.4 | 9.6  | 45.7     | 38.3 | 9.1  |
| Congestive Heart Failure.....              | 202                | 13.9                | 15.8 | 3.3  | 25.7    | 25.1 | 3.8  | 28.2     | 31.6 | 4.3  |
| Pneumonia/Influenza.....                   | 200                | 17.5                | 17.4 | 4.1  | 24.5    | 24.0 | 3.1  | 29.0     | 28.0 | 3.5  |
| Chronic Obstructive Pulmonary Disease..... | 78                 | 14.1                | 9.3  | 6.6  | 19.2    | 16.1 | 5.6  | 23.1     | 21.3 | 5.0  |
| Transient Cerebral Ischemia.....           | 67                 | 4.5                 | 2.0  | 3.3  | 6.0     | 4.3  | 4.0  | 9.0      | 6.8  | 4.5  |
| Stroke.....                                | 139                | 20.1                | 20.3 | 3.4  | 24.5    | 26.7 | 4.3  | 30.9     | 30.3 | 3.9  |
| Hip Fracture.....                          | 74                 | 10.8                | 5.7  | 4.7  | 14.9    | 10.0 | 7.3  | 21.6     | 13.2 | 7.5  |
| Sepsis.....                                | 30                 | 33.3                | 23.7 | ---- | 33.3    | 30.9 | ---- | 40.0     | 35.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 15                 | 6.7                 | 2.7  | ---- | 13.3    | 5.2  | ---- | 20.0     | 7.7  | ---- |
| Carotid Endarterectomy.....                | 3                  | 0.0                 | 1.6  | ---- | 0.0     | 3.0  | ---- | 0.0      | 4.6  | ---- |
| Hip Replacement/Reconstruction.....        | 43                 | 7.0                 | 3.2  | ---- | 7.0     | 6.0  | ---- | 16.3     | 8.1  | ---- |
| Open Reduction of Hip Fracture.....        | 26                 | 11.5                | 5.6  | ---- | 15.4    | 10.0 | ---- | 15.4     | 13.2 | ---- |
| Prostatectomy.....                         | 88                 | 2.3                 | 1.4  | 2.0  | 4.5     | 3.1  | 3.5  | 6.8      | 5.0  | 4.4  |
| Cholecystectomy.....                       | 60                 | 3.3                 | 1.9  | 2.2  | 5.0     | 3.3  | 2.7  | 5.0      | 4.2  | 3.4  |
| Hysterectomy.....                          | 24                 | 0.0                 | 0.5  | ---- | 0.0     | 1.0  | ---- | 0.0      | 1.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SOUTHERN OHIO MEDICAL CENTER

Medicare Provider Number: 360008

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.4 years  
Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.8 %  
Transferred from skilled nursing facility..... 6.7 %  
Admitted for elective procedure..... 7.7 %  
Admitted for emergency..... 71.8 %

### COMORBIDITIES:

Cancer..... 6.0 %  
Chronic cardiovascular disease..... 35.6 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 4.5 %  
Chronic pulmonary disease..... 15.9 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 78.6%  
State..... 6.0%  
Outside State..... 15.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.8 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 338  
Occupancy Rate..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 40.4 %  
Case Mix Index (CMI)..... 1.1850

### STAFFING:

Total Number of Physicians..... 85  
Percent of Physicians Board  
Certified Specialists..... 57.6 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 293  
Licensed Practical Nurses..... 62

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTHWEST GENERAL HOSPITAL

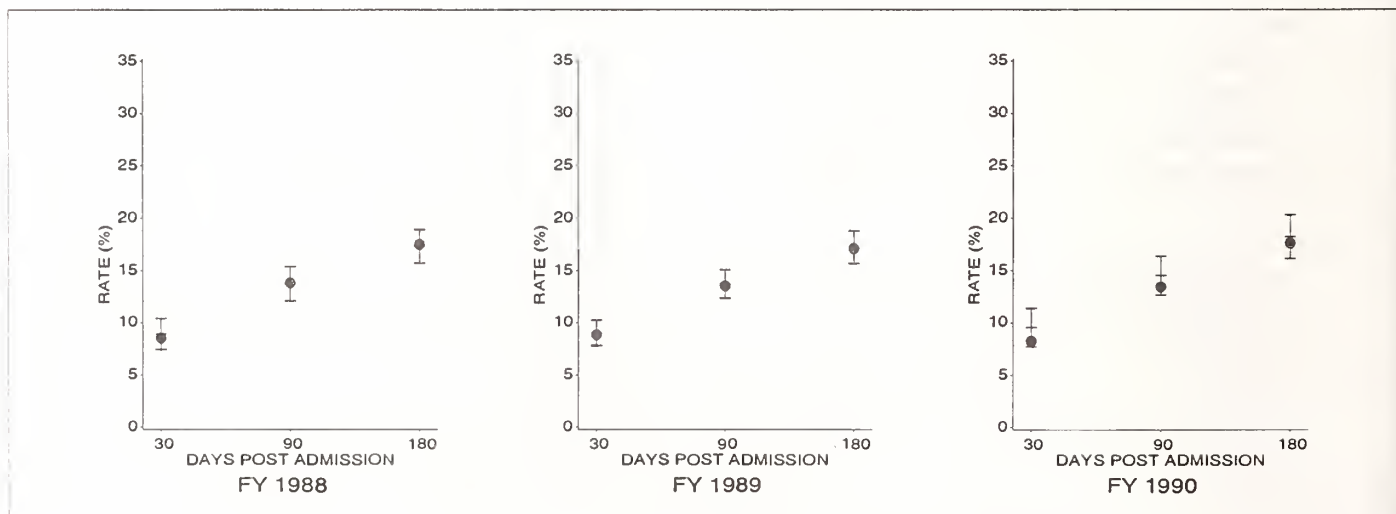
18697 BAGLEY RD  
MIDDLEBURG HEIGHTS, OH 44130  
Medicare Provider Number: 360155

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2982            | 8.2                 | 9.5  | 0.9   | 13.4    | 14.5 | 0.9   | 17.6     | 18.2 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 85              | 28.2                | 26.0 | 5.5   | 30.6    | 28.8 | 5.5   | 35.3     | 31.5 | 6.2   |
| Congestive Heart Failure.....              | 257             | 15.2                | 14.9 | 2.3   | 23.3    | 23.4 | 2.6   | 30.7     | 29.7 | 3.1   |
| Pneumonia/Influenza.....                   | 95              | 12.6                | 16.3 | 4.2   | 14.7    | 21.9 | 5.5   | 21.1     | 25.8 | 5.4   |
| Chronic Obstructive Pulmonary Disease..... | 76              | 7.9                 | 11.2 | 4.4   | 14.5    | 18.9 | 6.8   | 19.7     | 24.2 | 8.0   |
| Transient Cerebral Ischemia.....           | 83              | 0.0                 | 1.7  | 2.0   | 2.4     | 3.7  | 2.3   | 3.6      | 6.0  | 3.3   |
| Stroke.....                                | 102             | 12.7                | 24.1 | 6.4   | 23.5    | 31.0 | 5.6   | 30.4     | 34.9 | 5.4   |
| Hip Fracture.....                          | 69              | 5.8                 | 6.6  | 3.1   | 10.1    | 11.2 | 4.7   | 17.4     | 14.3 | 5.2   |
| Sepsis.....                                | 15              | 33.3                | 26.1 | ----- | 33.3    | 32.0 | ----- | 46.7     | 36.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 16              | 0.0                 | 2.6  | ----- | 0.0     | 5.3  | ----- | 0.0      | 7.9  | ----- |
| Carotid Endarterectomy.....                | 60              | 0.0                 | 1.2  | 1.8   | 0.0     | 2.2  | 2.6   | 0.0      | 3.3  | 3.4   |
| Hip Replacement/Reconstruction.....        | 24              | 4.2                 | 5.1  | ----- | 8.3     | 8.9  | ----- | 12.5     | 11.4 | ----- |
| Open Reduction of Hip Fracture.....        | 40              | 10.0                | 5.5  | ----- | 12.5    | 9.9  | ----- | 20.0     | 13.1 | ----- |
| Prostatectomy.....                         | 94              | 1.1                 | 0.9  | 1.1   | 2.1     | 2.2  | 1.7   | 3.2      | 3.9  | 2.4   |
| Cholecystectomy.....                       | 83              | 0.0                 | 2.0  | 2.2   | 3.6     | 3.5  | 2.3   | 3.6      | 4.5  | 2.5   |
| Hysterectomy.....                          | 12              | 0.0                 | 0.8  | ----- | 8.3     | 1.7  | ----- | 8.3      | 2.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SOUTHWEST GENERAL HOSPITAL

Medicare Provider Number: 360155

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.5 years  
Proportion female..... 57.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.5 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 19.0 %  
Admitted for emergency..... 58.0 %

### COMORBIDITIES:

Cancer..... 9.9 %  
Chronic cardiovascular disease..... 42.7 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 2.5 %  
Chronic pulmonary disease..... 15.1 %  
Cerebrovascular degeneration..... 3.7 %  
Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.0%  
State ..... 15.2%  
Outside State ..... 2.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 292  
Occupancy Rate ..... 80.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 36.7 %  
Case Mix Index (CMI) ..... 1.1659

### STAFFING:

Total Number of Physicians..... 196  
Percent of Physicians Board  
Certified Specialists ..... 69.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 320  
Licensed Practical Nurses ..... 50

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ALEXIS HOSPITAL

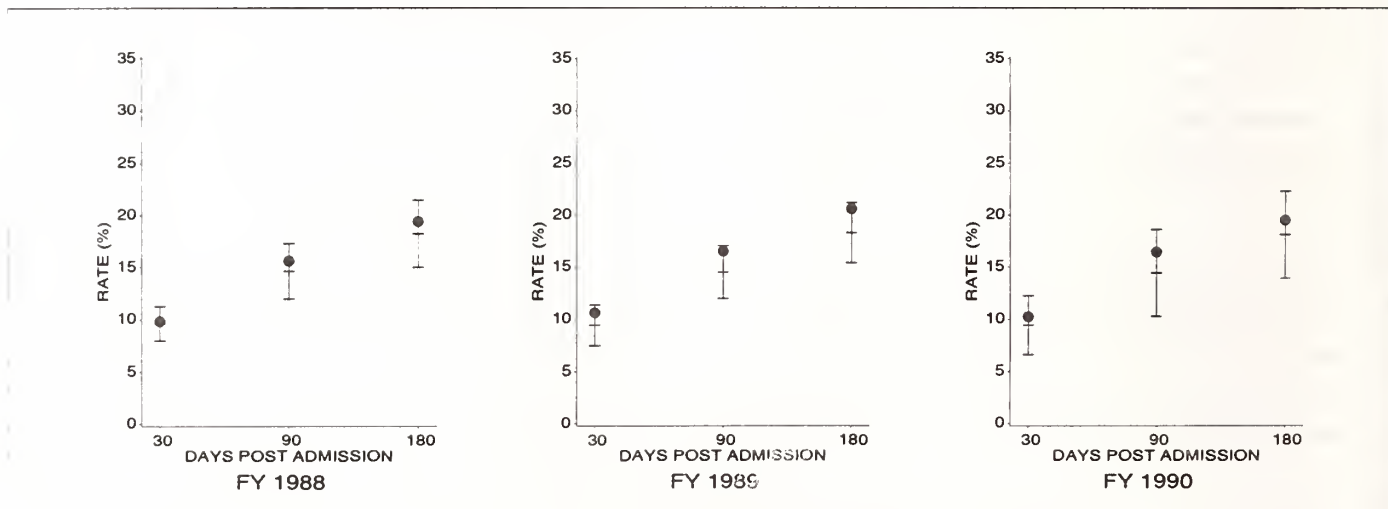
5163 BROADWAY  
CLEVELAND, OH 44127  
Medicare Provider Number: 360049

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1386            | 10.2                | 9.4  | 1.4   | 16.4    | 14.4 | 2.1   | 19.5     | 18.1 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 30              | 40.0                | 26.5 | ----- | 46.7    | 29.0 | ----- | 46.7     | 31.6 | ----- |
| Congestive Heart Failure.....              | 112             | 11.6                | 13.0 | 3.5   | 20.5    | 20.9 | 4.4   | 28.6     | 27.1 | 5.2   |
| Pneumonia/Influenza.....                   | 54              | 16.7                | 16.7 | 5.3   | 18.5    | 22.8 | 6.8   | 24.1     | 27.0 | 7.8   |
| Chronic Obstructive Pulmonary Disease..... | 36              | 0.0                 | 9.2  | ----- | 11.1    | 15.6 | ----- | 16.7     | 20.6 | ----- |
| Transient Cerebral Ischemia.....           | 38              | 0.0                 | 2.0  | ----- | 10.5    | 4.3  | ----- | 10.5     | 6.7  | ----- |
| Stroke.....                                | 58              | 17.2                | 19.5 | 6.0   | 20.7    | 25.2 | 6.8   | 25.9     | 28.7 | 6.7   |
| Hip Fracture.....                          | 19              | 0.0                 | 5.7  | ----- | 0.0     | 9.6  | ----- | 0.0      | 12.4 | ----- |
| Sepsis.....                                | 13              | 23.1                | 21.7 | ----- | 30.8    | 28.2 | ----- | 30.8     | 32.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 18              | 5.6                 | 3.2  | ----- | 5.6     | 5.8  | ----- | 5.6      | 8.3  | ----- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 1.6  | ----- | 11.1    | 2.8  | ----- | 11.1     | 3.9  | ----- |
| Hip Replacement/Reconstruction.....        | 8               | 0.0                 | 3.2  | ----- | 0.0     | 6.4  | ----- | 0.0      | 8.9  | ----- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 5.3  | ----- | 0.0     | 8.9  | ----- | 0.0      | 11.6 | ----- |
| Prostatectomy.....                         | 38              | 2.6                 | 1.0  | ----- | 5.3     | 2.3  | ----- | 5.3      | 3.9  | ----- |
| Cholecystectomy.....                       | 18              | 5.6                 | 2.8  | ----- | 11.1    | 4.9  | ----- | 11.1     | 6.2  | ----- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST ALEXIS HOSPITAL

Medicare Provider Number: 360049

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 74.5 years | Cancer.....                         | 6.3 %  |
| Proportion female.....                         | 57.2 %     | Chronic cardiovascular disease..... | 43.8 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 1.6 %  |
| Referred by personal or HMO physician.....     | 68.7 %     | Chronic renal disease.....          | 3.8 %  |
| Transferred from skilled nursing facility..... | 3.4 %      | Chronic pulmonary disease.....      | 17.4 % |
| Admitted for elective procedure.....           | 7.8 %      | Cerebrovascular degeneration.....   | 2.5 %  |
| Admitted for emergency.....                    | 50.9 %     | Diabetes mellitus.....              | 9.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 96.4%  | Hospital .....                          | 8.5 Days |
| State .....                                  | 2.6%   | State .....                             | 8.3 Days |
| Outside State .....                          | 1.0%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |        |                                                 |     |
|--------------------------------------------------------------------|--------|-------------------------------------------------|-----|
| <b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990 |        |                                                 |     |
| <b>PROFILE:</b>                                                    |        | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 171    | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 69.0 % | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Church | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 47.2 % | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.2409 | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |        | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 87     | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 50.6 % | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0      | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 146    | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 32     | Rehabilitation.....                             | No  |
|                                                                    |        | Psychiatric .....                               | No  |
|                                                                    |        | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ANNS HOSPITAL OF COLUMBUS

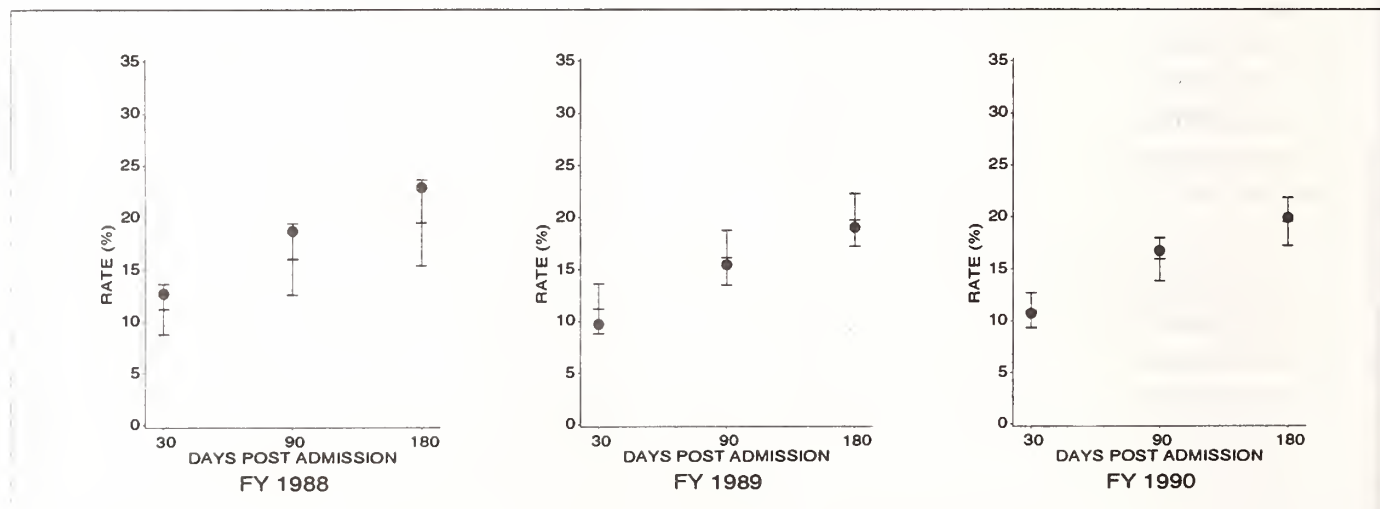
500 SOUTH CLEVELAND AVE  
WESTERVILLE, OH 43081  
Medicare Provider Number: 360012

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1489            | 10.7                | 11.0 | 0.8   | 16.7    | 15.9 | 1.0   | 19.9     | 19.5 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 72              | 33.3                | 27.3 | 6.7   | 43.1    | 31.1 | 8.3   | 43.1     | 34.0 | 7.8   |
| Congestive Heart Failure.....              | 77              | 15.6                | 15.4 | 4.5   | 28.6    | 24.0 | 6.0   | 39.0     | 30.0 | 7.5   |
| Pneumonia/Influenza.....                   | 87              | 13.8                | 16.3 | 5.8   | 14.9    | 21.9 | 7.6   | 17.2     | 25.8 | 8.4   |
| Chronic Obstructive Pulmonary Disease..... | 19              | 5.3                 | 9.9  | ----- | 21.1    | 16.7 | ----- | 26.3     | 21.3 | ----- |
| Transient Cerebral Ischemia.....           | 27              | 3.7                 | 1.6  | ----- | 3.7     | 3.5  | ----- | 7.4      | 5.6  | ----- |
| Stroke.....                                | 57              | 12.3                | 22.0 | 6.2   | 24.6    | 28.2 | 6.1   | 31.6     | 31.8 | 6.2   |
| Hip Fracture.....                          | 78              | 5.1                 | 6.2  | 4.5   | 7.7     | 10.7 | 5.4   | 10.3     | 13.9 | 5.3   |
| Sepsis.....                                | 24              | 16.7                | 25.0 | ----- | 33.3    | 32.0 | ----- | 33.3     | 36.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 17              | 0.0                 | 3.5  | ----- | 0.0     | 7.2  | ----- | 5.9      | 10.9 | ----- |
| Carotid Endarterectomy.....                | 6               | 0.0                 | 1.7  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.4  | ----- |
| Hip Replacement/Reconstruction.....        | 35              | 5.7                 | 5.1  | ----- | 8.6     | 9.4  | ----- | 8.6      | 12.4 | ----- |
| Open Reduction of Hip Fracture.....        | 27              | 3.7                 | 6.3  | ----- | 7.4     | 11.0 | ----- | 14.8     | 14.6 | ----- |
| Prostatectomy.....                         | 25              | 4.0                 | 1.1  | ----- | 4.0     | 2.5  | ----- | 4.0      | 4.1  | ----- |
| Cholecystectomy.....                       | 32              | 0.0                 | 2.1  | ----- | 0.0     | 3.8  | ----- | 3.1      | 5.3  | ----- |
| Hysterectomy.....                          | 11              | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST ANNS HOSPITAL OF COLUMBUS

Medicare Provider Number: 360012

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
Proportion female..... 63.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 21.4 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 13.6 %  
Admitted for emergency..... 76.9 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 43.0 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 14.8 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.8%  
State ..... 21.8%  
Outside State ..... 3.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.2 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 154  
Occupancy Rate ..... 83.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 22.5 %  
Case Mix Index (CMI) ..... 1.3186

### STAFFING:

Total Number of Physicians..... 235  
Percent of Physicians Board  
Certified Specialists ..... 63.8 %  
Medical Residents/Interns ..... 3  
Registered Nurses..... 263  
Licensed Practical Nurses ..... 1

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ANTHONY MEDICAL CENTER

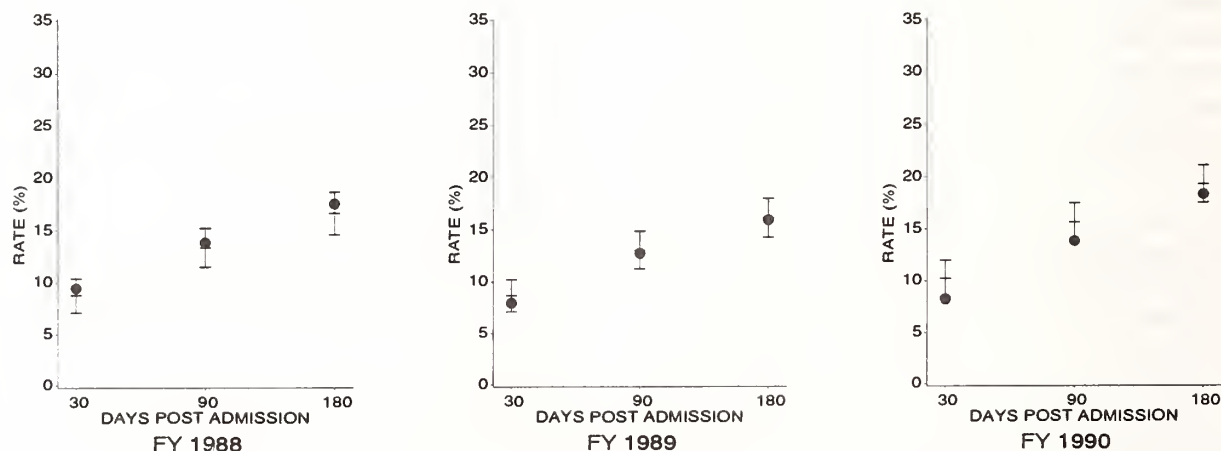
1492 EAST BROAD STREET  
COLUMBUS, OH 43205  
Medicare Provider Number: 360062

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2281            | 8.2                 | 10.2 | 0.9   | 13.8    | 15.6 | 0.9   | 18.3     | 19.3 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 44              | 31.8                | 26.7 | ----- | 38.6    | 29.9 | ----- | 47.7     | 32.5 | ----- |
| Congestive Heart Failure.....              | 126             | 9.5                 | 14.0 | 5.7   | 16.7    | 22.1 | 6.5   | 23.8     | 28.2 | 7.0   |
| Pneumonia/Influenza.....                   | 101             | 14.9                | 18.8 | 6.6   | 20.8    | 25.6 | 7.2   | 26.7     | 29.6 | 6.5   |
| Chronic Obstructive Pulmonary Disease..... | 31              | 12.9                | 11.8 | ----- | 22.6    | 20.0 | ----- | 29.0     | 25.3 | ----- |
| Transient Cerebral Ischemia.....           | 38              | 2.6                 | 1.7  | ----- | 2.6     | 3.9  | ----- | 13.2     | 6.3  | ----- |
| Stroke.....                                | 72              | 15.3                | 22.4 | 9.2   | 22.2    | 28.9 | 10.5  | 25.0     | 32.4 | 11.4  |
| Hip Fracture.....                          | 40              | 5.0                 | 6.8  | ----- | 10.0    | 11.8 | ----- | 17.5     | 15.4 | ----- |
| Sepsis.....                                | 33              | 27.3                | 30.4 | ----- | 42.4    | 39.8 | ----- | 54.5     | 44.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 3.1  | ----- | 7.1     | 6.5  | ----- | 21.4     | 9.6  | ----- |
| Carotid Endarterectomy.....                | 31              | 3.2                 | 3.1  | ----- | 6.5     | 5.8  | ----- | 6.5      | 8.4  | ----- |
| Hip Replacement/Reconstruction.....        | 69              | 1.4                 | 2.5  | 2.8   | 1.4     | 4.4  | 3.6   | 4.3      | 5.7  | 4.0   |
| Open Reduction of Hip Fracture.....        | 20              | 5.0                 | 5.5  | ----- | 10.0    | 10.2 | ----- | 15.0     | 13.6 | ----- |
| Prostatectomy.....                         | 51              | 0.0                 | 1.4  | 2.6   | 7.8     | 3.2  | 4.6   | 9.8      | 5.2  | 5.3   |
| Cholecystectomy.....                       | 35              | 0.0                 | 2.9  | ----- | 8.6     | 5.0  | ----- | 11.4     | 6.6  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST ANTHONY MEDICAL CENTER

Medicare Provider Number: 360062

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.9 years |
| Proportion female.....        | 55.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 7.5 %  |
| Transferred from skilled nursing facility..... | 0.6 %  |
| Admitted for elective procedure.....           | 21.6 % |
| Admitted for emergency.....                    | 66.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.3 %  |
| Chronic cardiovascular disease..... | 35.3 % |
| Chronic liver disease.....          | 1.6 %  |
| Chronic renal disease.....          | 6.2 %  |
| Chronic pulmonary disease.....      | 12.7 % |
| Cerebrovascular degeneration.....   | 4.4 %  |
| Diabetes mellitus.....              | 9.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                    |        |
|--------------------|--------|
| County/City.....   | 77.8%  |
| State.....         | 20.0%  |
| Outside State..... | 2.2%   |
| Total.....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|               |          |
|---------------|----------|
| Hospital..... | 9.7 Days |
| State.....    | 8.3 Days |
| National..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                           |        |
|---------------------------|--------|
| Total Beds.....           | 352    |
| Occupancy Rate.....       | 74.0 % |
| Ownership/Control.....    | Church |
| Medicare Discharges.....  | 40.6 % |
| Case Mix Index (CMI)..... | 1.4253 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 181    |
| Percent of Physicians Board<br>Certified Specialists..... | 74.0 % |
| Medical Residents/Interns.....                            | 2      |
| Registered Nurses.....                                    | 323    |
| Licensed Practical Nurses.....                            | 18     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit.....                       | No  |
| Cardiac Intensive Care.....          | No  |
| Comprehensive Geriatric.....         | No  |
| Hospice Care.....                    | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant.....         | Yes |
| Other Intensive Care.....            | No  |
| Trauma Center.....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                          |     |
|--------------------------|-----|
| Alcohol/Drug.....        | Yes |
| Rehabilitation.....      | No  |
| Psychiatric.....         | No  |
| Medicare Swing Beds..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ANTHONY MERCY HOSPITAL

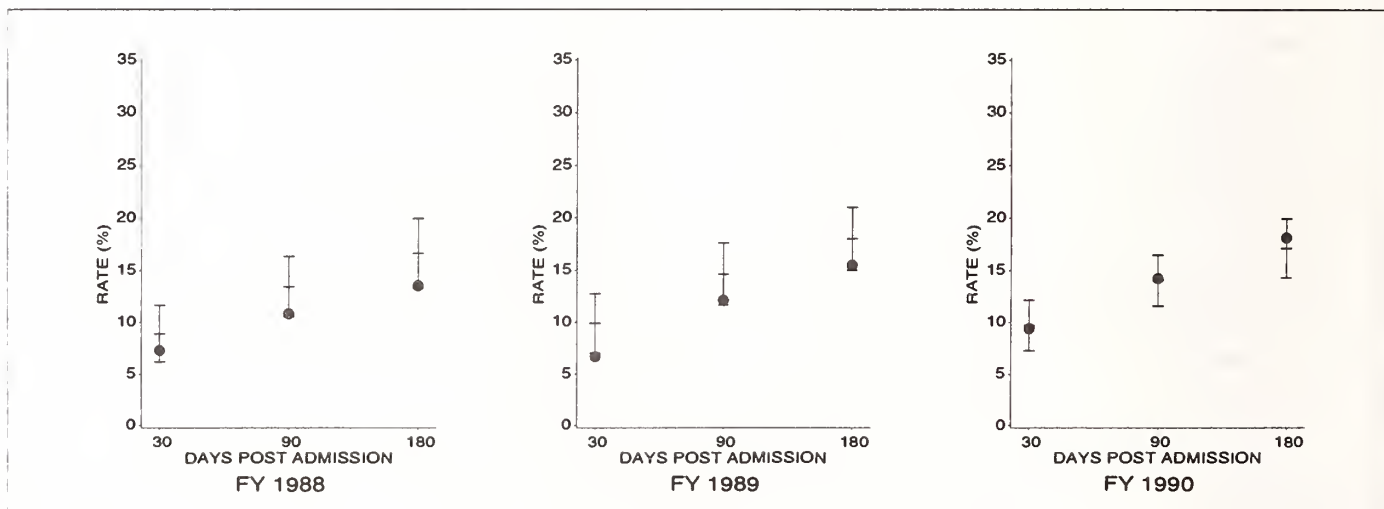
1430 S HIGH ST  
COLUMBUS, OH 43207  
Medicare Provider Number: 360031

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 801             | 9.4                 | 9.7  | 1.2   | 14.2    | 14.0 | 1.2   | 18.1     | 17.1 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 35              | 40.0                | 25.2 | ----- | 45.7    | 28.0 | ----- | 48.6     | 30.8 | ----- |
| Congestive Heart Failure.....              | 48              | 20.8                | 14.5 | ----- | 31.3    | 23.3 | ----- | 39.6     | 29.4 | ----- |
| Pneumonia/Influenza.....                   | 71              | 11.3                | 14.8 | 6.9   | 14.1    | 20.1 | 5.8   | 16.9     | 23.7 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 18              | 5.6                 | 11.1 | ----- | 22.2    | 18.6 | ----- | 27.8     | 23.7 | ----- |
| Transient Cerebral Ischemia.....           | 14              | 7.1                 | 2.4  | ----- | 7.1     | 5.0  | ----- | 7.1      | 7.6  | ----- |
| Stroke.....                                | 29              | 20.7                | 22.3 | ----- | 27.6    | 27.7 | ----- | 31.0     | 30.9 | ----- |
| Hip Fracture.....                          | 23              | 8.7                 | 5.1  | ----- | 8.7     | 8.7  | ----- | 13.0     | 11.5 | ----- |
| Sepsis.....                                | 6               | 0.0                 | 17.0 | ----- | 16.7    | 22.1 | ----- | 16.7     | 25.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 4.3  | ----- | 14.3    | 7.1  | ----- | 14.3     | 9.4  | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 1.6  | ----- | 0.0     | 2.6  | ----- | 0.0      | 3.8  | ----- |
| Hip Replacement/Reconstruction.....        | 7               | 0.0                 | 4.6  | ----- | 0.0     | 8.7  | ----- | 0.0      | 12.1 | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 7.1                 | 4.6  | ----- | 7.1     | 8.0  | ----- | 14.3     | 10.6 | ----- |
| Prostatectomy.....                         | 5               | 20.0                | 1.5  | ----- | 20.0    | 3.5  | ----- | 20.0     | 5.6  | ----- |
| Cholecystectomy.....                       | 9               | 0.0                 | 2.4  | ----- | 0.0     | 4.1  | ----- | 0.0      | 5.1  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST ANTHONY MERCY HOSPITAL

Medicare Provider Number: 360031

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.1 years  
Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 4.2 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 13.9 %  
Admitted for emergency..... 80.4 %

### COMORBIDITIES:

Cancer..... 4.0 %  
Chronic cardiovascular disease..... 47.1 %  
Chronic liver disease..... 2.1 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 26.1 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.2%  
State ..... 9.0%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.9 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 178  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.1807

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 81  
Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST CHARLES HOSPITAL

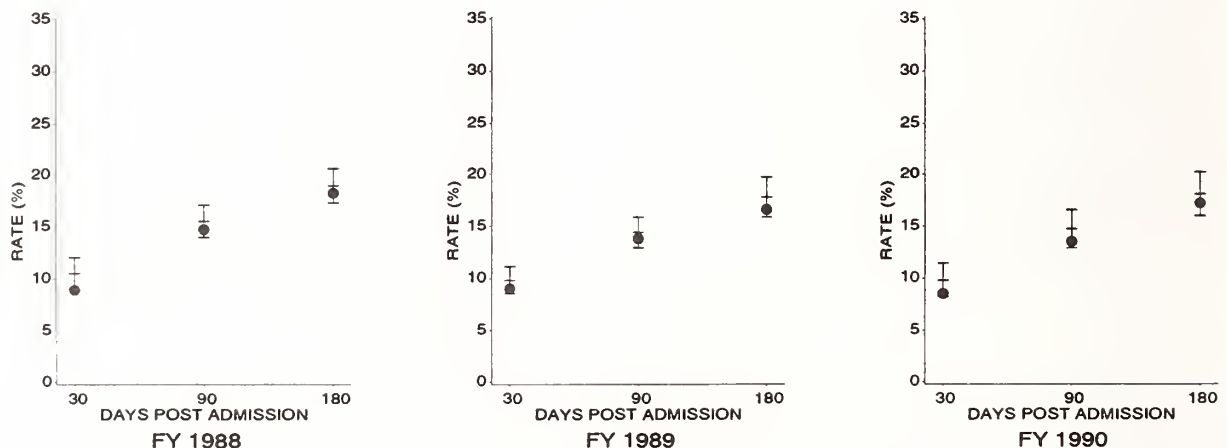
2600 NAVARRE AVE  
OREGON, OH 43616  
Medicare Provider Number: 360081

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2371            | 8.5                 | 9.8  | 0.8   | 13.5    | 14.7 | 0.9   | 17.2     | 18.1 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 86              | 29.1                | 27.0 | 6.1   | 31.4    | 29.6 | 6.9   | 33.7     | 32.2 | 7.7   |
| Congestive Heart Failure.....              | 145             | 15.9                | 14.4 | 5.5   | 26.2    | 22.1 | 6.2   | 30.3     | 28.1 | 5.6   |
| Pneumonia/Influenza.....                   | 96              | 12.5                | 15.6 | 4.0   | 20.8    | 20.9 | 4.2   | 21.9     | 24.7 | 5.0   |
| Chronic Obstructive Pulmonary Disease..... | 41              | 4.9                 | 6.9  | ----- | 12.2    | 12.6 | ----- | 17.1     | 17.0 | ----- |
| Transient Cerebral Ischemia.....           | 55              | 5.5                 | 1.8  | 2.6   | 7.3     | 3.9  | 4.0   | 12.7     | 6.4  | 5.5   |
| Stroke.....                                | 92              | 14.1                | 21.9 | 8.7   | 23.9    | 28.3 | 7.7   | 27.2     | 31.9 | 7.4   |
| Hip Fracture.....                          | 46              | 4.3                 | 7.9  | ----- | 8.7     | 13.6 | ----- | 17.4     | 17.7 | ----- |
| Sepsis.....                                | 45              | 17.8                | 25.0 | ----- | 26.7    | 32.8 | ----- | 35.6     | 37.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 42              | 4.8                 | 4.4  | ----- | 9.5     | 7.9  | ----- | 14.3     | 11.0 | ----- |
| Carotid Endarterectomy.....                | 13              | 7.7                 | 1.7  | ----- | 7.7     | 3.1  | ----- | 7.7      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 33              | 3.0                 | 2.9  | ----- | 3.0     | 5.2  | ----- | 9.1      | 6.9  | ----- |
| Open Reduction of Hip Fracture.....        | 13              | 15.4                | 9.5  | ----- | 23.1    | 16.7 | ----- | 30.8     | 21.7 | ----- |
| Prostatectomy.....                         | 61              | 0.0                 | 1.0  | 1.9   | 1.6     | 2.2  | 2.2   | 3.3      | 3.7  | 2.7   |
| Cholecystectomy.....                       | 42              | 2.4                 | 4.5  | ----- | 2.4     | 7.6  | ----- | 2.4      | 9.7  | ----- |
| Hysterectomy.....                          | 12              | 0.0                 | 0.8  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST CHARLES HOSPITAL

Medicare Provider Number: 360081

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.3 years |
| Proportion female.....        | 57.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 38.4 % |
| Transferred from skilled nursing facility..... | 6.0 %  |
| Admitted for elective procedure.....           | 6.4 %  |
| Admitted for emergency.....                    | 84.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.3 %  |
| Chronic cardiovascular disease..... | 46.6 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 2.7 %  |
| Chronic pulmonary disease.....      | 15.7 % |
| Cerebrovascular degeneration.....   | 4.2 %  |
| Diabetes mellitus.....              | 8.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 54.7%  |
| State .....         | 43.0%  |
| Outside State ..... | 2.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.8 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 298    |
| Occupancy Rate .....       | 67.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 34.9 % |
| Case Mix Index (CMI) ..... | 1.2315 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 188    |
| Percent of Physicians Board<br>Certified Specialists ..... | 66.5 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 316    |
| Licensed Practical Nurses .....                            | 47     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ELIZABETH HOSPITAL

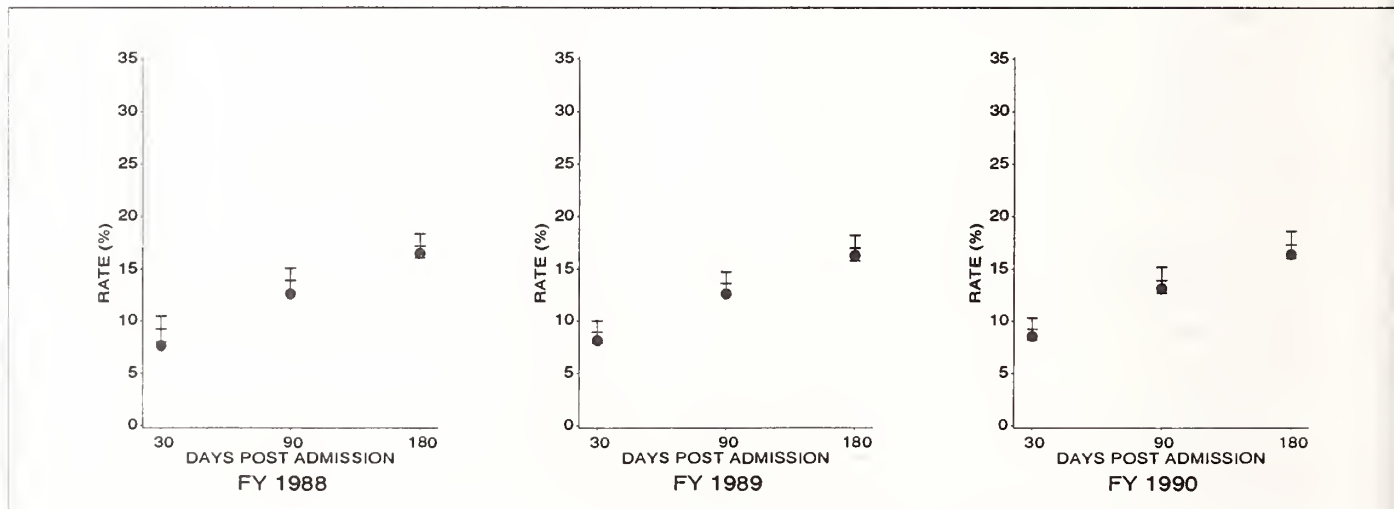
1044 BELMONT AVE  
YOUNGSTOWN, OH 44501  
Medicare Provider Number: 360064

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 6249            | 8.5                 | 9.2  | 0.5   | 13.1    | 13.9 | 0.6   | 16.4     | 17.3 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 197             | 21.8                | 28.0 | 5.1   | 26.4    | 31.2 | 5.3   | 27.4     | 34.0 | 5.6   |
| Congestive Heart Failure.....              | 326             | 17.2                | 15.7 | 2.7   | 26.1    | 24.7 | 2.7   | 31.6     | 30.8 | 2.7   |
| Pneumonia/Influenza.....                   | 219             | 14.2                | 17.0 | 3.6   | 21.0    | 23.3 | 4.2   | 24.2     | 27.6 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 114             | 5.3                 | 9.8  | 4.1   | 9.6     | 17.0 | 5.5   | 12.3     | 22.2 | 6.8   |
| Transient Cerebral Ischemia.....           | 146             | 3.4                 | 1.9  | 2.4   | 6.8     | 4.2  | 3.0   | 8.9      | 6.7  | 3.4   |
| Stroke.....                                | 187             | 17.6                | 21.0 | 4.2   | 25.1    | 27.1 | 4.0   | 28.9     | 30.6 | 4.2   |
| Hip Fracture.....                          | 101             | 6.9                 | 6.8  | 4.6   | 9.9     | 11.9 | 6.5   | 10.9     | 15.3 | 6.6   |
| Sepsis.....                                | 61              | 26.2                | 29.7 | 6.1   | 39.3    | 37.1 | 7.0   | 47.5     | 41.5 | 7.2   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 69              | 1.4                 | 3.6  | 2.7   | 4.3     | 4.5  | 2.5   | 4.3      | 5.3  | 2.8   |
| Coronary Artery Bypass Graft.....          | 177             | 5.6                 | 5.7  | 1.8   | 6.2     | 7.8  | 2.5   | 6.8      | 8.8  | 2.7   |
| Initial Pacemaker Insertion.....           | 32              | 3.1                 | 3.2  | ----- | 9.4     | 5.5  | ----- | 9.4      | 7.8  | ----- |
| Carotid Endarterectomy.....                | 108             | 0.9                 | 1.5  | 1.2   | 2.8     | 2.7  | 1.6   | 3.7      | 3.9  | 2.0   |
| Hip Replacement/Reconstruction.....        | 78              | 5.1                 | 3.3  | 2.6   | 7.7     | 6.1  | 3.1   | 7.7      | 7.9  | 3.1   |
| Open Reduction of Hip Fracture.....        | 40              | 5.0                 | 5.6  | ----- | 7.5     | 10.3 | ----- | 10.0     | 13.8 | ----- |
| Prostatectomy.....                         | 172             | 1.7                 | 1.1  | 1.1   | 3.5     | 2.6  | 1.6   | 4.1      | 4.3  | 2.0   |
| Cholecystectomy.....                       | 120             | 2.5                 | 4.1  | 2.1   | 5.0     | 7.5  | 3.2   | 5.8      | 9.8  | 3.8   |
| Hysterectomy.....                          | 51              | 0.0                 | 0.6  | 1.2   | 0.0     | 1.5  | 2.1   | 2.0      | 2.5  | 2.4   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST ELIZABETH HOSPITAL

Medicare Provider Number: 360064

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.6 years |
| Proportion female.....        | 54.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.6 % |
| Transferred from skilled nursing facility..... | 6.8 %  |
| Admitted for elective procedure.....           | 17.3 % |
| Admitted for emergency.....                    | 55.0 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.3 %  |
| Chronic cardiovascular disease..... | 33.8 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 4.6 %  |
| Chronic pulmonary disease.....      | 11.1 % |
| Cerebrovascular degeneration.....   | 3.5 %  |
| Diabetes mellitus.....              | 8.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 70.9%  |
| State .....         | 19.9%  |
| Outside State ..... | 9.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |           |
|----------------|-----------|
| Hospital ..... | 10.3 Days |
| State .....    | 8.3 Days  |
| National ..... | 8.6 Days  |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 680    |
| Occupancy Rate .....       | 73.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 42.0 % |
| Case Mix Index (CMI) ..... | 1.4153 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 262    |
| Percent of Physicians Board<br>Certified Specialists..... | 58.0 % |
| Medical Residents/Interns .....                           | 80     |
| Registered Nurses.....                                    | 735    |
| Licensed Practical Nurses .....                           | 154    |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ELIZABETH MEDICAL CENTER

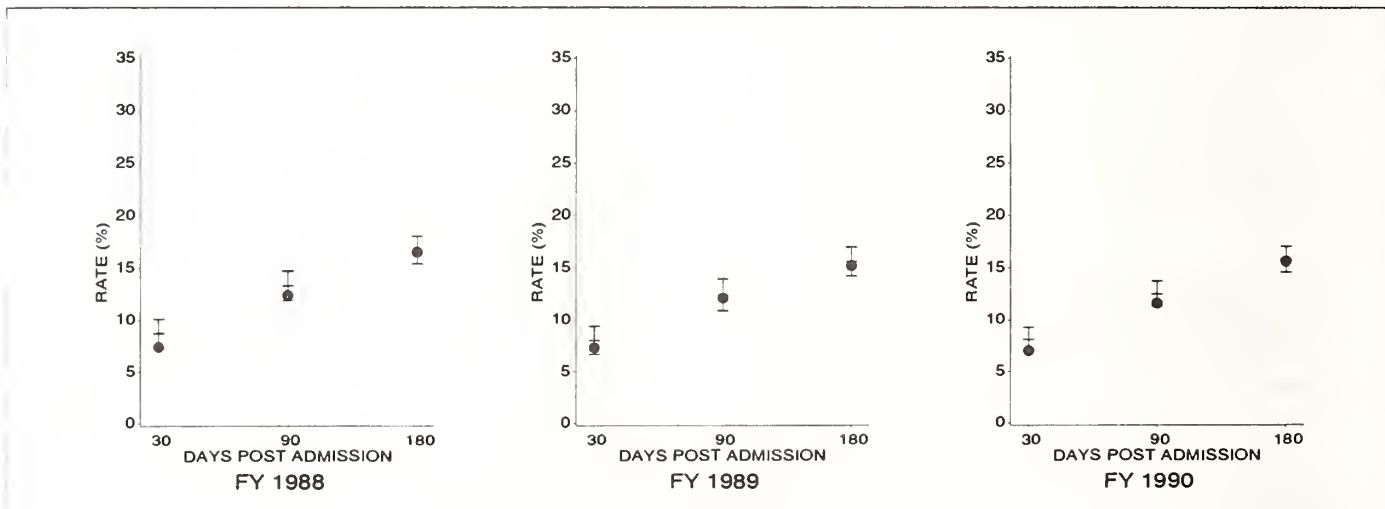
601 MIAMI BOULEVARD  
DAYTON, OH 45408  
Medicare Provider Number: 360018

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3512            | 7.0                 | 8.1  | 0.6   | 11.6    | 12.5 | 0.6   | 15.6     | 15.8 | 0.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 71              | 23.9                | 25.3 | 5.3   | 31.0    | 28.5 | 5.9   | 32.4     | 31.2 | 5.6   |
| Congestive Heart Failure.....              | 199             | 10.1                | 13.6 | 5.0   | 17.1    | 21.7 | 5.7   | 24.1     | 27.9 | 5.8   |
| Pneumonia/Influenza.....                   | 153             | 16.3                | 16.2 | 3.2   | 26.8    | 21.9 | 3.9   | 32.7     | 25.7 | 4.5   |
| Chronic Obstructive Pulmonary Disease..... | 67              | 9.0                 | 8.6  | 4.3   | 14.9    | 15.0 | 4.6   | 17.9     | 19.6 | 5.3   |
| Transient Cerebral Ischemia.....           | 82              | 0.0                 | 1.7  | 1.8   | 1.2     | 3.8  | 2.8   | 4.9      | 6.3  | 3.3   |
| Stroke.....                                | 121             | 14.9                | 20.2 | 6.5   | 20.7    | 26.6 | 5.3   | 27.3     | 30.3 | 4.9   |
| Hip Fracture.....                          | 53              | 7.5                 | 6.7  | 3.5   | 11.3    | 11.7 | 5.0   | 11.3     | 15.2 | 6.1   |
| Sepsis.....                                | 19              | 26.3                | 24.8 | ----- | 31.6    | 31.6 | ----- | 36.8     | 36.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 40              | 0.0                 | 3.2  | ----- | 0.0     | 4.1  | ----- | 0.0      | 5.1  | ----- |
| Coronary Artery Bypass Graft.....          | 67              | 10.4                | 5.6  | 5.0   | 11.9    | 8.1  | 5.4   | 13.4     | 9.2  | 6.1   |
| Initial Pacemaker Insertion.....           | 25              | 8.0                 | 4.5  | ----- | 12.0    | 8.5  | ----- | 16.0     | 11.9 | ----- |
| Carotid Endarterectomy.....                | 7               | 14.3                | 2.6  | ----- | 14.3    | 5.0  | ----- | 14.3     | 6.8  | ----- |
| Hip Replacement/Reconstruction.....        | 50              | 6.0                 | 3.3  | ----- | 8.0     | 6.0  | ----- | 8.0      | 8.0  | ----- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 6.3  | ----- | 0.0     | 11.6 | ----- | 0.0      | 15.4 | ----- |
| Prostatectomy.....                         | 111             | 2.7                 | 1.0  | 1.7   | 3.6     | 2.3  | 1.8   | 4.5      | 4.0  | 1.9   |
| Cholecystectomy.....                       | 50              | 4.0                 | 2.6  | ----- | 6.0     | 4.5  | ----- | 12.0     | 5.9  | ----- |
| Hysterectomy.....                          | 13              | 0.0                 | 1.1  | ----- | 7.7     | 2.5  | ----- | 15.4     | 3.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST ELIZABETH MEDICAL CENTER

Medicare Provider Number: 360018

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.0 years |
| Proportion female.....        | 57.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.3 % |
| Transferred from skilled nursing facility..... | 0.5 %  |
| Admitted for elective procedure.....           | 23.3 % |
| Admitted for emergency.....                    | 58.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.2 %  |
| Chronic cardiovascular disease..... | 34.2 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 3.8 %  |
| Chronic pulmonary disease.....      | 14.7 % |
| Cerebrovascular degeneration.....   | 4.3 %  |
| Diabetes mellitus.....              | 9.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 86.5%  |
| State .....         | 11.8%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |           |
|----------------|-----------|
| Hospital ..... | 10.4 Days |
| State .....    | 8.3 Days  |
| National ..... | 8.6 Days  |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 496    |
| Occupancy Rate .....       | 75.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 32.0 % |
| Case Mix Index (CMI) ..... | 1.3039 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 252    |
| Percent of Physicians Board<br>Certified Specialists ..... | 59.1 % |
| Medical Residents/Interns .....                            | 36     |
| Registered Nurses.....                                     | 739    |
| Licensed Practical Nurses .....                            | 21     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST FRANCIS-ST GEORGE HOSPITAL INC

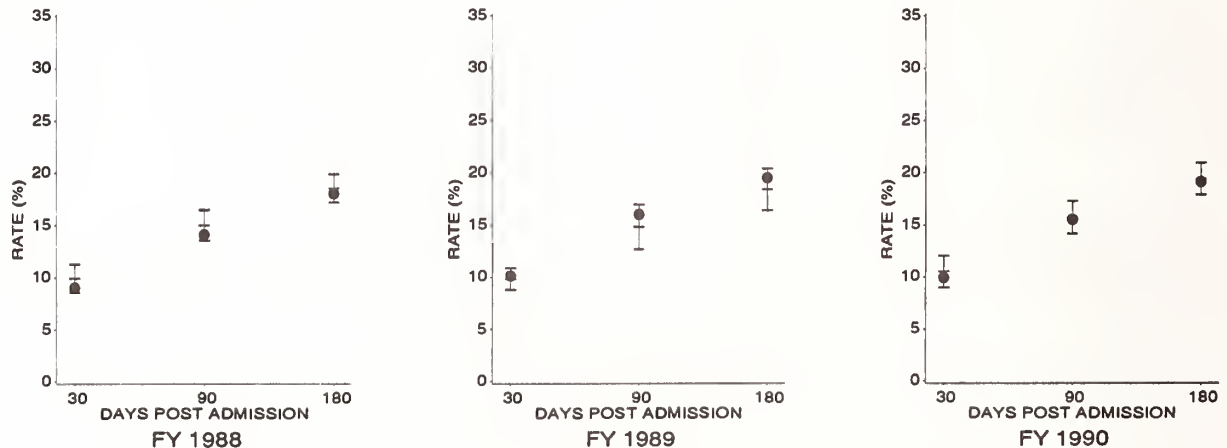
1860 QUEEN CITY AVE  
CINCINNATI, OH 45214  
Medicare Provider Number: 360113

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3517            | 9.9                 | 10.5 | 0.8  | 15.5    | 15.7 | 0.8  | 19.1     | 19.4 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 101             | 23.8                | 27.0 | 5.3  | 25.7    | 30.1 | 5.4  | 26.7     | 32.7 | 6.0  |
| Congestive Heart Failure.....              | 244             | 12.7                | 14.9 | 3.3  | 21.7    | 23.5 | 3.1  | 30.3     | 29.6 | 3.3  |
| Pneumonia/Influenza.....                   | 264             | 14.8                | 17.4 | 3.1  | 20.1    | 23.4 | 4.2  | 25.0     | 27.4 | 3.9  |
| Chronic Obstructive Pulmonary Disease..... | 74              | 10.8                | 8.6  | 4.7  | 14.9    | 14.8 | 4.6  | 16.2     | 19.7 | 5.3  |
| Transient Cerebral Ischemia.....           | 61              | 1.6                 | 2.2  | 2.0  | 1.6     | 4.9  | 3.8  | 4.9      | 7.9  | 4.7  |
| Stroke.....                                | 152             | 21.1                | 22.9 | 5.1  | 28.3    | 30.2 | 4.3  | 32.9     | 34.1 | 4.0  |
| Hip Fracture.....                          | 97              | 4.1                 | 6.7  | 3.5  | 8.2     | 11.8 | 5.0  | 9.3      | 15.2 | 6.3  |
| Sepsis.....                                | 54              | 11.1                | 26.4 | 9.5  | 25.9    | 34.0 | 7.8  | 31.5     | 39.0 | 7.9  |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 49              | 2.0                 | 3.5  | ---- | 10.2    | 6.7  | ---- | 14.3     | 9.8  | ---- |
| Carotid Endarterectomy.....                | 28              | 7.1                 | 1.7  | ---- | 7.1     | 3.2  | ---- | 7.1      | 4.6  | ---- |
| Hip Replacement/Reconstruction.....        | 48              | 0.0                 | 3.5  | ---- | 2.1     | 6.4  | ---- | 2.1      | 8.5  | ---- |
| Open Reduction of Hip Fracture.....        | 29              | 6.9                 | 6.4  | ---- | 13.8    | 12.0 | ---- | 13.8     | 15.8 | ---- |
| Prostatectomy.....                         | 85              | 1.2                 | 1.5  | 2.8  | 7.1     | 3.4  | 3.0  | 7.1      | 5.7  | 2.8  |
| Cholecystectomy.....                       | 68              | 4.4                 | 2.5  | 2.6  | 8.8     | 4.4  | 4.4  | 8.8      | 5.6  | 4.2  |
| Hysterectomy.....                          | 15              | 0.0                 | 0.6  | ---- | 6.7     | 1.3  | ---- | 6.7      | 1.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST FRANCIS-ST GEORGE HOSPITAL INC

Medicare Provider Number: 360113

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 60.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.6 %  
Transferred from skilled nursing facility..... 1.0 %  
Admitted for elective procedure..... 12.9 %  
Admitted for emergency..... 65.7 %

### COMORBIDITIES:

Cancer..... 7.5 %  
Chronic cardiovascular disease..... 41.7 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 15.3 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 8.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 94.9%  
State ..... 1.5%  
Outside State ..... 3.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 229  
Occupancy Rate ..... 80.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 63.0 %  
Case Mix Index (CMI) ..... 1.2398

### STAFFING:

Total Number of Physicians..... 115  
Percent of Physicians Board  
Certified Specialists..... 24.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 249  
Licensed Practical Nurses ..... 59

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHN & WESTSHORE HOSPITAL

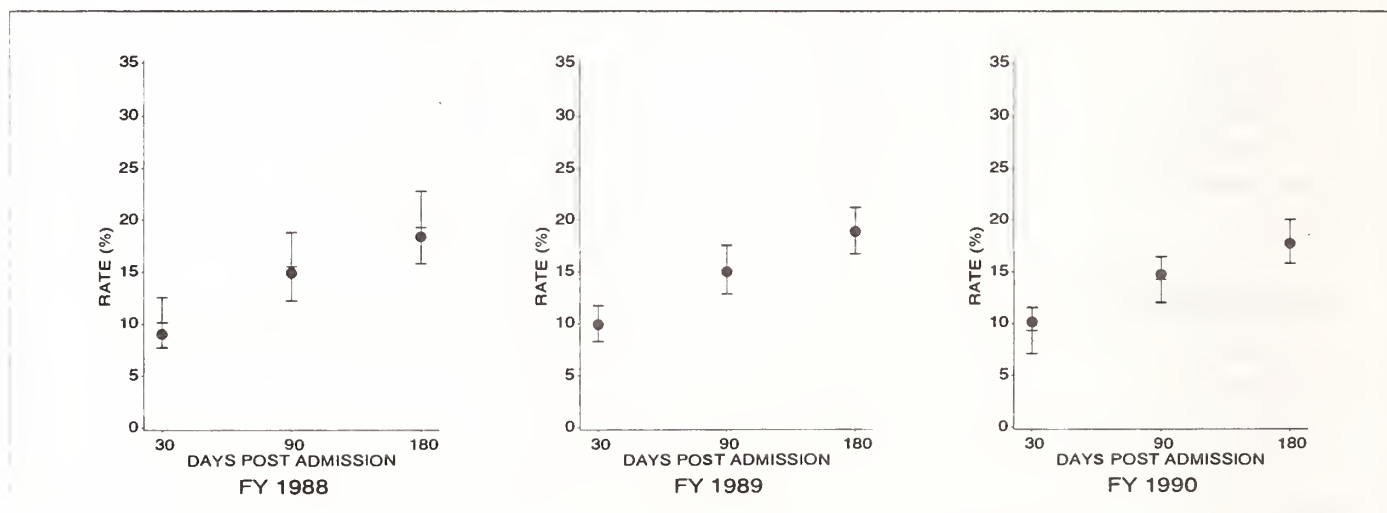
29000 CENTER RIDGE  
WEST LAKE, OH 44145  
Medicare Provider Number: 360123

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1908            | 10.1                | 9.3  | 1.1  | 14.7    | 14.2 | 1.1  | 17.7     | 17.9 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 32              | 50.0                | 28.5 | ---- | 50.0    | 31.6 | ---- | 50.0     | 34.2 | ---- |
| Congestive Heart Failure.....              | 136             | 22.1                | 16.2 | 4.1  | 28.7    | 25.0 | 4.3  | 30.9     | 31.7 | 4.6  |
| Pneumonia/Influenza.....                   | 81              | 14.8                | 16.2 | 5.6  | 18.5    | 22.4 | 6.3  | 24.7     | 26.4 | 7.0  |
| Chronic Obstructive Pulmonary Disease..... | 71              | 11.3                | 9.5  | 4.0  | 16.9    | 16.1 | 4.4  | 21.1     | 20.9 | 5.3  |
| Transient Cerebral Ischemia.....           | 40              | 2.5                 | 2.5  | ---- | 2.5     | 5.5  | ---- | 2.5      | 8.7  | ---- |
| Stroke.....                                | 94              | 20.2                | 23.4 | 5.7  | 30.9    | 30.9 | 5.3  | 33.0     | 35.3 | 5.3  |
| Hip Fracture.....                          | 45              | 11.1                | 7.5  | ---- | 17.8    | 13.8 | ---- | 20.0     | 18.0 | ---- |
| Sepsis.....                                | 22              | 36.4                | 32.4 | ---- | 45.5    | 40.8 | ---- | 45.5     | 46.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 1               | 0.0                 | 1.4  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.6  | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 21              | 4.8                 | 2.5  | ---- | 4.8     | 5.2  | ---- | 4.8      | 7.8  | ---- |
| Carotid Endarterectomy.....                | 11              | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.6  | ---- |
| Hip Replacement/Reconstruction.....        | 27              | 7.4                 | 2.8  | ---- | 7.4     | 5.4  | ---- | 7.4      | 7.2  | ---- |
| Open Reduction of Hip Fracture.....        | 23              | 8.7                 | 6.5  | ---- | 21.7    | 12.5 | ---- | 21.7     | 16.8 | ---- |
| Prostatectomy.....                         | 48              | 0.0                 | 1.4  | ---- | 0.0     | 3.4  | ---- | 4.2      | 5.6  | ---- |
| Cholecystectomy.....                       | 45              | 4.4                 | 3.3  | ---- | 4.4     | 6.1  | ---- | 4.4      | 8.1  | ---- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 1.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOHN & WESTSHORE HOSPITAL

Medicare Provider Number: 360123

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years

Proportion female..... 59.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.7 %

Transferred from skilled nursing facility..... 9.1 %

Admitted for elective procedure..... 11.4 %

Admitted for emergency..... 61.4 %

### COMORBIDITIES:

Cancer..... 5.7 %

Chronic cardiovascular disease..... 38.3 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 2.4 %

Chronic pulmonary disease..... 14.2 %

Cerebrovascular degeneration..... 7.0 %

Diabetes mellitus..... 7.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.1%

State ..... 22.1%

Outside State ..... 2.8%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 196

Occupancy Rate ..... 61.0 %

Ownership/Control..... Church

Medicare Discharges ..... 37.5 %

Case Mix Index (CMI) ..... 1.1589

### STAFFING:

Total Number of Physicians..... 190

Percent of Physicians Board  
Certified Specialists ..... 67.9 %

Medical Residents/Interns ..... 0

Registered Nurses..... 158

Licensed Practical Nurses ..... 40

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

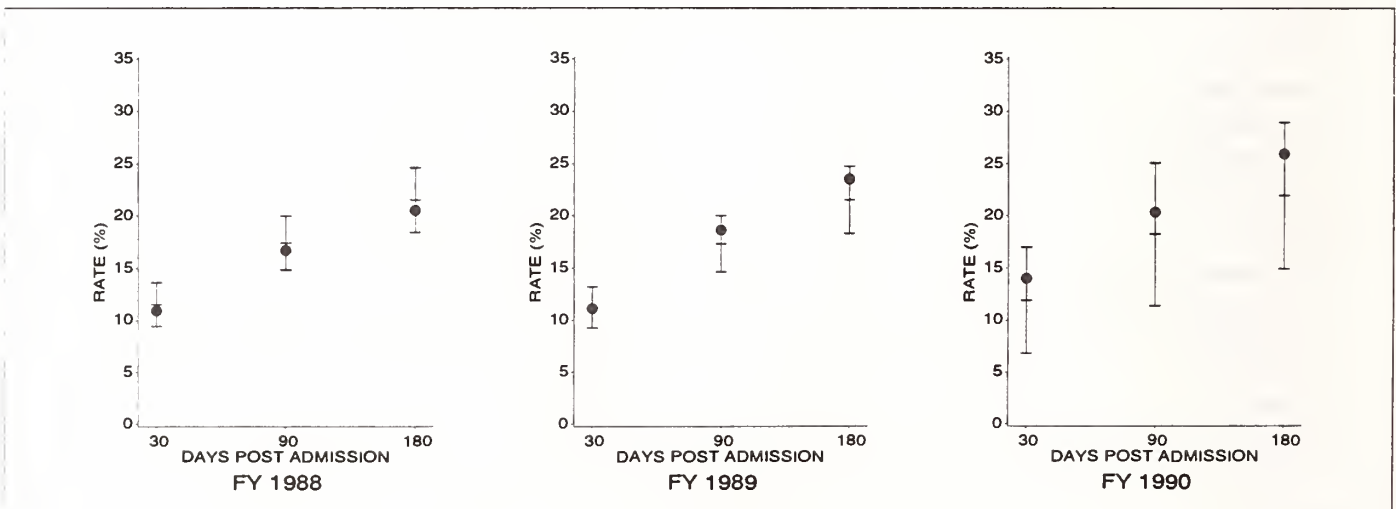
**ST JOHN HOSPITAL**  
7911 DETROIT AVE  
CLEVELAND, OH 44102  
Medicare Provider Number: 360053

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 344                | 14.0                | 11.9 | 2.6   | 20.3    | 18.2 | 3.4   | 25.9     | 21.9 | 3.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8                  | 25.0                | 30.5 | ----- | 25.0    | 33.9 | ----- | 50.0     | 36.1 | ----- |
| Congestive Heart Failure.....              | 27                 | 14.8                | 18.2 | ----- | 22.2    | 29.3 | ----- | 29.6     | 34.9 | ----- |
| Pneumonia/Influenza.....                   | 17                 | 17.6                | 21.4 | ----- | 35.3    | 29.1 | ----- | 41.2     | 32.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 15                 | 6.7                 | 15.6 | ----- | 13.3    | 24.8 | ----- | 26.7     | 29.2 | ----- |
| Transient Cerebral Ischemia.....           | 12                 | 0.0                 | 2.5  | ----- | 0.0     | 5.5  | ----- | 0.0      | 8.3  | ----- |
| Stroke.....                                | 7                  | 42.9                | 19.2 | ----- | 42.9    | 26.9 | ----- | 71.4     | 30.5 | ----- |
| Hip Fracture.....                          | 8                  | 12.5                | 6.3  | ----- | 25.0    | 11.0 | ----- | 25.0     | 13.7 | ----- |
| Sepsis.....                                | 11                 | 36.4                | 39.8 | ----- | 63.6    | 48.9 | ----- | 63.6     | 52.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 2                  | 0.0                 | 1.6  | ----- | 0.0     | 2.8  | ----- | 0.0      | 3.8  | ----- |
| Hip Replacement/Reconstruction.....        | 1                  | 0.0                 | 4.8  | ----- | 0.0     | 9.0  | ----- | 0.0      | 11.6 | ----- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 5.0  | ----- | 0.0     | 8.6  | ----- | 0.0      | 10.7 | ----- |
| Prostatectomy.....                         | 6                  | 0.0                 | 2.7  | ----- | 16.7    | 6.5  | ----- | 16.7     | 10.4 | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 0.5  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.0  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**ST JOHN HOSPITAL**  
Medicare Provider Number: 360053

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.4 years  
Proportion female..... 57.8 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 30.5 %  
Transferred from skilled nursing facility..... 1.7 %  
Admitted for elective procedure..... 4.9 %  
Admitted for emergency..... 62.5 %

**COMORBIDITIES:**

Cancer..... 8.1 %  
Chronic cardiovascular disease..... 52.3 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 4.9 %  
Chronic pulmonary disease..... 20.6 %  
Cerebrovascular degeneration..... 7.6 %  
Diabetes mellitus..... 10.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 93.7%  
State ..... 5.1%  
Outside State ..... 1.2%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 9.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

**SOURCE:** Health Care Financing Administration (OSCAR)\*\* - Survey Year 1985

**PROFILE:**

Total Beds ..... 203  
Ownership/Control..... Church  
Case Mix Index (CMI) ..... 1.2263

**STAFFING:**

Medical Residents/Interns ..... 10  
Registered Nurses..... 145  
Licensed Practical Nurses ..... 52

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHN MEDICAL CENTER

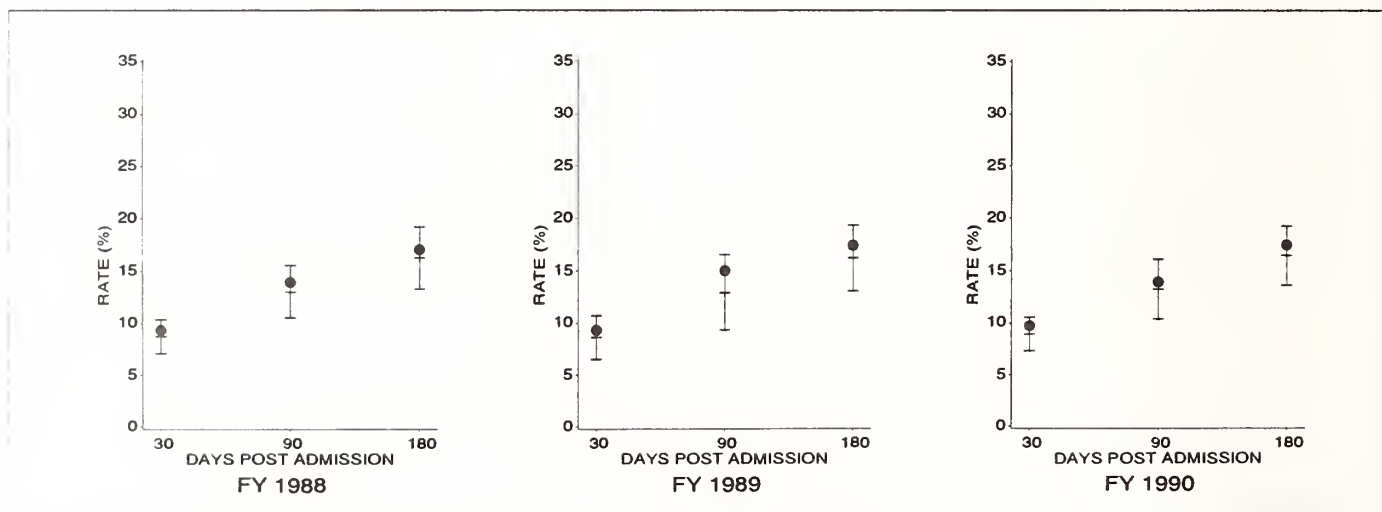
ST JOHN HEIGHTS  
STEUBENVILLE, OH 43952  
Medicare Provider Number: 360083

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1462            | 9.7                 | 8.9  | 0.8   | 13.9    | 13.2 | 1.4   | 17.4     | 16.4 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 36              | 27.8                | 25.6 | ----- | 33.3    | 28.2 | ----- | 36.1     | 30.6 | ----- |
| Congestive Heart Failure.....              | 122             | 17.2                | 13.7 | 4.0   | 23.0    | 21.4 | 5.3   | 32.0     | 27.2 | 6.4   |
| Pneumonia/Influenza.....                   | 66              | 15.2                | 16.2 | 7.8   | 22.7    | 22.2 | 5.1   | 28.8     | 25.9 | 6.0   |
| Chronic Obstructive Pulmonary Disease..... | 47              | 8.5                 | 7.9  | ----- | 17.0    | 13.6 | ----- | 19.1     | 18.0 | ----- |
| Transient Cerebral Ischemia.....           | 30              | 0.0                 | 1.5  | ----- | 0.0     | 3.3  | ----- | 3.3      | 5.2  | ----- |
| Stroke.....                                | 38              | 31.6                | 22.0 | ----- | 36.8    | 28.6 | ----- | 39.5     | 32.5 | ----- |
| Hip Fracture.....                          | 25              | 4.0                 | 5.4  | ----- | 4.0     | 9.1  | ----- | 4.0      | 11.7 | ----- |
| Sepsis.....                                | 10              | 40.0                | 28.3 | ----- | 40.0    | 37.9 | ----- | 50.0     | 43.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 14.3                | 7.3  | ----- | 14.3    | 13.6 | ----- | 14.3     | 18.7 | ----- |
| Carotid Endarterectomy.....                | 27              | 0.0                 | 1.5  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.1  | ----- |
| Hip Replacement/Reconstruction.....        | 6               | 0.0                 | 4.1  | ----- | 0.0     | 7.3  | ----- | 0.0      | 9.5  | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 5.9                 | 5.1  | ----- | 5.9     | 8.9  | ----- | 5.9      | 11.6 | ----- |
| Prostatectomy.....                         | 47              | 0.0                 | 0.9  | ----- | 0.0     | 2.0  | ----- | 6.4      | 3.4  | ----- |
| Cholecystectomy.....                       | 23              | 4.3                 | 1.6  | ----- | 4.3     | 2.9  | ----- | 8.7      | 4.0  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOHN MEDICAL CENTER

Medicare Provider Number: 360083

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.9 years |
| Proportion female.....        | 53.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 26.5 % |
| Transferred from skilled nursing facility..... | 0.6 %  |
| Admitted for elective procedure.....           | 12.9 % |
| Admitted for emergency.....                    | 63.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.7 %  |
| Chronic cardiovascular disease..... | 38.7 % |
| Chronic liver disease.....          | 1.1 %  |
| Chronic renal disease.....          | 4.4 %  |
| Chronic pulmonary disease.....      | 17.8 % |
| Cerebrovascular degeneration.....   | 2.7 %  |
| Diabetes mellitus.....              | 8.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 80.7%  |
| State .....         | 7.0%   |
| Outside State ..... | 12.3%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.3 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 163    |
| Occupancy Rate .....       | 64.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 48.2 % |
| Case Mix Index (CMI) ..... | 1.2116 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 76     |
| Percent of Physicians Board<br>Certified Specialists ..... | 59.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 175    |
| Licensed Practical Nurses .....                            | 21     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit .....                      | No  |
| Cardiac Intensive Care .....         | Yes |
| Comprehensive Geriatric .....        | No  |
| Hospice Care .....                   | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant .....        | No  |
| Other Intensive Care .....           | No  |
| Trauma Center .....                  | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH HOSPITAL & HEALTH CENTER

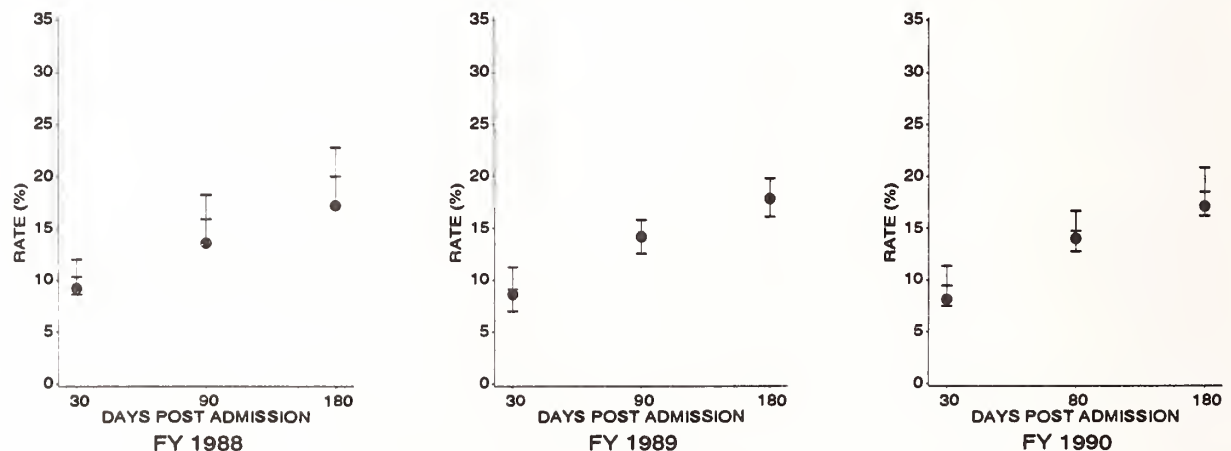
205 WEST 20TH STREET  
LORAIN, OH 44052  
Medicare Provider Number: 360204

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1876            | 8.1                 | 9.4  | 1.0   | 14.0    | 14.7 | 1.0   | 17.1     | 18.5 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 44              | 11.4                | 21.8 | ----- | 18.2    | 24.7 | ----- | 18.2     | 27.3 | ----- |
| Congestive Heart Failure.....              | 124             | 13.7                | 14.4 | 3.2   | 22.6    | 22.6 | 4.2   | 25.8     | 28.7 | 5.0   |
| Pneumonia/Influenza.....                   | 107             | 20.6                | 17.5 | 5.2   | 27.1    | 24.2 | 5.0   | 29.0     | 28.6 | 4.6   |
| Chronic Obstructive Pulmonary Disease..... | 38              | 5.3                 | 13.1 | ----- | 13.2    | 21.0 | ----- | 15.8     | 26.2 | ----- |
| Transient Cerebral Ischemia.....           | 43              | 2.3                 | 1.8  | ----- | 2.3     | 3.9  | ----- | 2.3      | 6.2  | ----- |
| Stroke.....                                | 74              | 16.2                | 16.8 | 6.2   | 24.3    | 23.0 | 5.5   | 27.0     | 26.6 | 6.6   |
| Hip Fracture.....                          | 41              | 9.8                 | 7.6  | ----- | 14.6    | 13.4 | ----- | 19.5     | 17.5 | ----- |
| Sepsis.....                                | 11              | 9.1                 | 20.7 | ----- | 9.1     | 29.2 | ----- | 27.3     | 34.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 3.9  | ----- | 0.0     | 7.5  | ----- | 0.0      | 10.9 | ----- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 1.3  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.8  | ----- |
| Hip Replacement/Reconstruction.....        | 28              | 0.0                 | 5.9  | ----- | 3.6     | 10.6 | ----- | 7.1      | 14.0 | ----- |
| Open Reduction of Hip Fracture.....        | 22              | 18.2                | 6.4  | ----- | 27.3    | 12.1 | ----- | 31.8     | 16.4 | ----- |
| Prostatectomy.....                         | 70              | 2.9                 | 1.4  | 2.2   | 7.1     | 3.2  | 3.9   | 8.6      | 5.5  | 3.8   |
| Cholecystectomy.....                       | 41              | 0.0                 | 2.5  | ----- | 4.9     | 5.0  | ----- | 4.9      | 7.1  | ----- |
| Hysterectomy.....                          | 19              | 0.0                 | 2.2  | ----- | 5.3     | 5.0  | ----- | 5.3      | 7.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST JOSEPH HOSPITAL & HEALTH CENTER

Medicare Provider Number: 360204

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
Proportion female..... 56.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.3 %  
Transferred from skilled nursing facility..... 8.0 %  
Admitted for elective procedure..... 9.8 %  
Admitted for emergency..... 1.2 %

### COMORBIDITIES:

Cancer..... 9.9 %  
Chronic cardiovascular disease..... 45.2 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 23.1 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 8.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 94.2%  
State..... 3.8%  
Outside State..... 2.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.2 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 248  
Occupancy Rate..... 60.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 37.6 %  
Case Mix Index (CMI)..... 1.2058

### STAFFING:

Total Number of Physicians..... 135  
Percent of Physicians Board  
Certified Specialists..... 83.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 229  
Licensed Practical Nurses..... 83

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... Yes  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH RIVERSIDE HOSPITAL

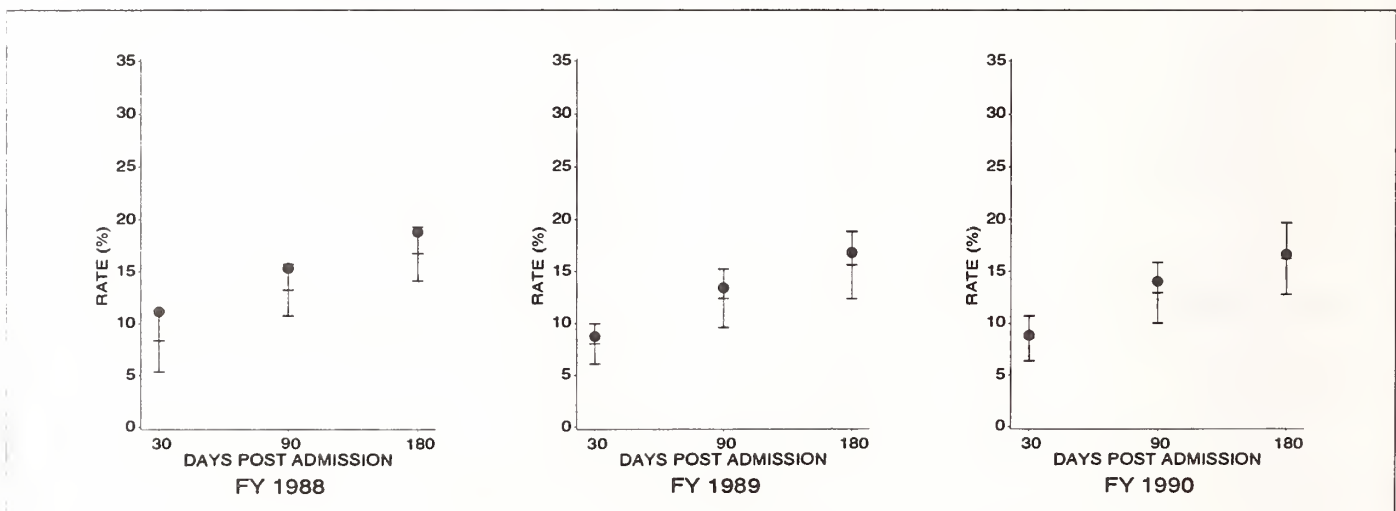
1400 TOD AVE NW  
WARREN, OH 44485  
Medicare Provider Number: 360021

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1535            | 8.8                 | 8.5  | 1.1  | 14.0    | 12.9 | 1.5  | 16.6     | 16.2 | 1.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 50              | 28.0                | 22.0 | ---- | 30.0    | 24.8 | ---- | 34.0     | 27.6 | ---- |
| Congestive Heart Failure.....              | 117             | 13.7                | 13.5 | 3.6  | 23.1    | 21.4 | 6.7  | 30.8     | 27.6 | 7.2  |
| Pneumonia/Influenza.....                   | 61              | 23.0                | 18.1 | 8.9  | 36.1    | 24.5 | 10.8 | 39.3     | 28.8 | 11.3 |
| Chronic Obstructive Pulmonary Disease..... | 35              | 8.6                 | 9.2  | ---- | 20.0    | 15.2 | ---- | 22.9     | 19.8 | ---- |
| Transient Cerebral Ischemia.....           | 38              | 0.0                 | 2.3  | ---- | 0.0     | 4.7  | ---- | 0.0      | 7.2  | ---- |
| Stroke.....                                | 53              | 20.8                | 21.2 | 6.4  | 22.6    | 29.0 | 7.9  | 22.6     | 33.0 | 8.7  |
| Hip Fracture.....                          | 23              | 4.3                 | 7.1  | ---- | 4.3     | 12.1 | ---- | 4.3      | 15.4 | ---- |
| Sepsis.....                                | 11              | 27.3                | 27.9 | ---- | 36.4    | 33.8 | ---- | 45.5     | 38.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 11              | 0.0                 | 4.4  | ---- | 0.0     | 8.8  | ---- | 0.0      | 12.4 | ---- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 1.6  | ---- | 0.0     | 3.2  | ---- | 0.0      | 4.9  | ---- |
| Hip Replacement/Reconstruction.....        | 23              | 0.0                 | 3.6  | ---- | 4.3     | 6.2  | ---- | 4.3      | 8.2  | ---- |
| Open Reduction of Hip Fracture.....        | 11              | 9.1                 | 6.8  | ---- | 9.1     | 11.9 | ---- | 9.1      | 15.3 | ---- |
| Prostatectomy.....                         | 63              | 0.0                 | 0.9  | 1.5  | 1.6     | 2.0  | 1.9  | 1.6      | 3.5  | 3.1  |
| Cholecystectomy.....                       | 29              | 0.0                 | 3.3  | ---- | 3.4     | 5.9  | ---- | 6.9      | 7.7  | ---- |
| Hysterectomy.....                          | 8               | 0.0                 | 0.3  | ---- | 0.0     | 0.6  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPH RIVERSIDE HOSPITAL

Medicare Provider Number: 360021

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.0 years |
| Proportion female.....        | 55.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 46.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 33.6 % |
| Admitted for emergency.....                    | 52.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.5 %  |
| Chronic cardiovascular disease..... | 44.5 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 3.2 %  |
| Chronic pulmonary disease.....      | 20.5 % |
| Cerebrovascular degeneration.....   | 2.9 %  |
| Diabetes mellitus.....              | 13.0 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 87.1%  |
| State .....         | 10.3%  |
| Outside State ..... | 2.6%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.7 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 204    |
| Occupancy Rate .....       | 61.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 30.0 % |
| Case Mix Index (CMI) ..... | 1.2199 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 78     |
| Percent of Physicians Board<br>Certified Specialists..... | 62.8 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 162    |
| Licensed Practical Nurses.....                            | 61     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

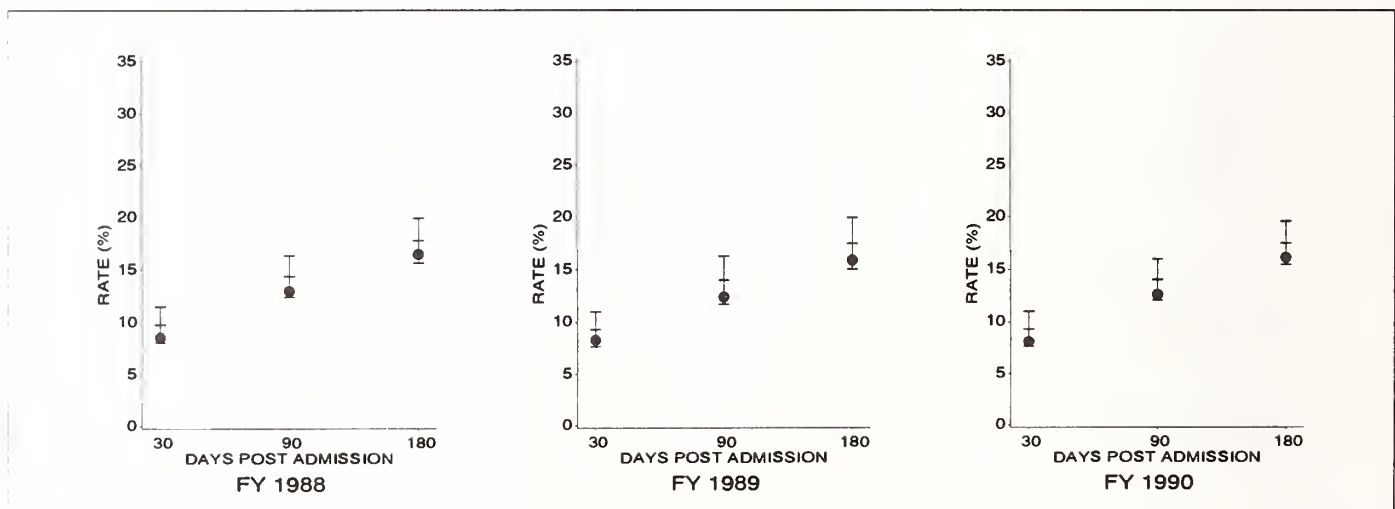
**ST LUKES HOSPITAL**  
 5901 MONCLOVA RD  
 MAUMEE, OH 43537  
 Medicare Provider Number: 360090

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2602               | 8.1                 | 9.3  | 0.8  | 12.6    | 14.0 | 1.0  | 16.1     | 17.5 | 1.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 98                 | 26.5                | 33.7 | 7.0  | 26.5    | 36.7 | 6.6  | 31.6     | 39.6 | 6.5  |
| Congestive Heart Failure.....              | 180                | 16.1                | 15.2 | 3.0  | 24.4    | 23.8 | 3.3  | 28.3     | 30.1 | 3.8  |
| Pneumonia/Influenza.....                   | 139                | 10.8                | 16.8 | 4.0  | 19.4    | 23.0 | 4.1  | 24.5     | 27.1 | 4.9  |
| Chronic Obstructive Pulmonary Disease..... | 66                 | 9.1                 | 10.0 | 3.8  | 24.2    | 17.5 | 5.6  | 37.9     | 22.8 | 8.6  |
| Transient Cerebral Ischemia.....           | 50                 | 2.0                 | 1.7  | ---- | 2.0     | 3.9  | ---- | 6.0      | 6.5  | ---- |
| Stroke.....                                | 110                | 13.6                | 19.4 | 4.6  | 20.0    | 25.7 | 5.0  | 20.0     | 29.7 | 6.0  |
| Hip Fracture.....                          | 58                 | 13.8                | 6.6  | 5.7  | 20.7    | 11.7 | 6.7  | 24.1     | 15.3 | 7.6  |
| Sepsis.....                                | 25                 | 20.0                | 26.8 | ---- | 36.0    | 35.7 | ---- | 44.0     | 40.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 27                 | 3.7                 | 2.5  | ---- | 7.4     | 5.0  | ---- | 7.4      | 7.6  | ---- |
| Carotid Endarterectomy.....                | 33                 | 3.0                 | 1.4  | ---- | 12.1    | 2.6  | ---- | 12.1     | 3.8  | ---- |
| Hip Replacement/Reconstruction.....        | 44                 | 2.3                 | 3.1  | ---- | 6.8     | 5.8  | ---- | 9.1      | 7.8  | ---- |
| Open Reduction of Hip Fracture.....        | 30                 | 16.7                | 5.8  | ---- | 26.7    | 10.4 | ---- | 33.3     | 13.8 | ---- |
| Prostatectomy.....                         | 88                 | 4.5                 | 1.4  | 1.8  | 6.8     | 3.2  | 2.4  | 6.8      | 5.4  | 2.7  |
| Cholecystectomy.....                       | 41                 | 0.0                 | 2.2  | ---- | 0.0     | 4.2  | ---- | 2.4      | 5.7  | ---- |
| Hysterectomy.....                          | 33                 | 0.0                 | 0.6  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**ST LUKES HOSPITAL**  
Medicare Provider Number: 360090

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 75.9 years | Cancer.....                         | 6.9 %  |
| Proportion female.....                         | 58.2 %     | Chronic cardiovascular disease..... | 43.3 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 1.0 %  |
| Referred by personal or HMO physician.....     | 41.9 %     | Chronic renal disease.....          | 2.7 %  |
| Transferred from skilled nursing facility..... | 1.8 %      | Chronic pulmonary disease.....      | 18.9 % |
| Admitted for elective procedure.....           | 17.3 %     | Cerebrovascular degeneration.....   | 4.8 %  |
| Admitted for emergency.....                    | 29.4 %     | Diabetes mellitus.....              | 8.6 %  |

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 65.2%  | Hospital .....                          | 8.4 Days |
| State .....                                  | 31.6%  | State .....                             | 8.3 Days |
| Outside State .....                          | 3.2%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

**HOSPITAL CHARACTERISTICS\***

|                                                                    |                     |
|--------------------------------------------------------------------|---------------------|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |
| <b>PROFILE:</b>                                                    |                     |
| Total Beds .....                                                   | 243                 |
| Occupancy Rate .....                                               | 57.0 %              |
| Ownership/Control.....                                             | Private, Non-Profit |
| Medicare Discharges .....                                          | 47.9 %              |
| Case Mix Index (CMI) .....                                         | 1.1950              |
| <b>STAFFING:</b>                                                   |                     |
| Total Number of Physicians.....                                    | 122                 |
| Percent of Physicians Board<br>Certified Specialists .....         | 73.0 %              |
| Medical Residents/Interns .....                                    | 0                   |
| Registered Nurses .....                                            | 206                 |
| Licensed Practical Nurses .....                                    | 45                  |
| <b>SPECIALTY SERVICES:</b>                                         |                     |
| Burn Unit .....                                                    | No                  |
| Cardiac Intensive Care .....                                       | Yes                 |
| Comprehensive Geriatric .....                                      | No                  |
| Hospice Care .....                                                 | No                  |
| Medical/Surgical Intensive Care .....                              | Yes                 |
| Organ/Tissue Transplant .....                                      | No                  |
| Other Intensive Care .....                                         | No                  |
| Trauma Center .....                                                | Yes                 |
| <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>                    |                     |
| Alcohol/Drug .....                                                 | No                  |
| Rehabilitation.....                                                | No                  |
| Psychiatric .....                                                  | No                  |
| Medicare Swing Beds .....                                          | No                  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST LUKES HOSPITAL ASSOCIATION

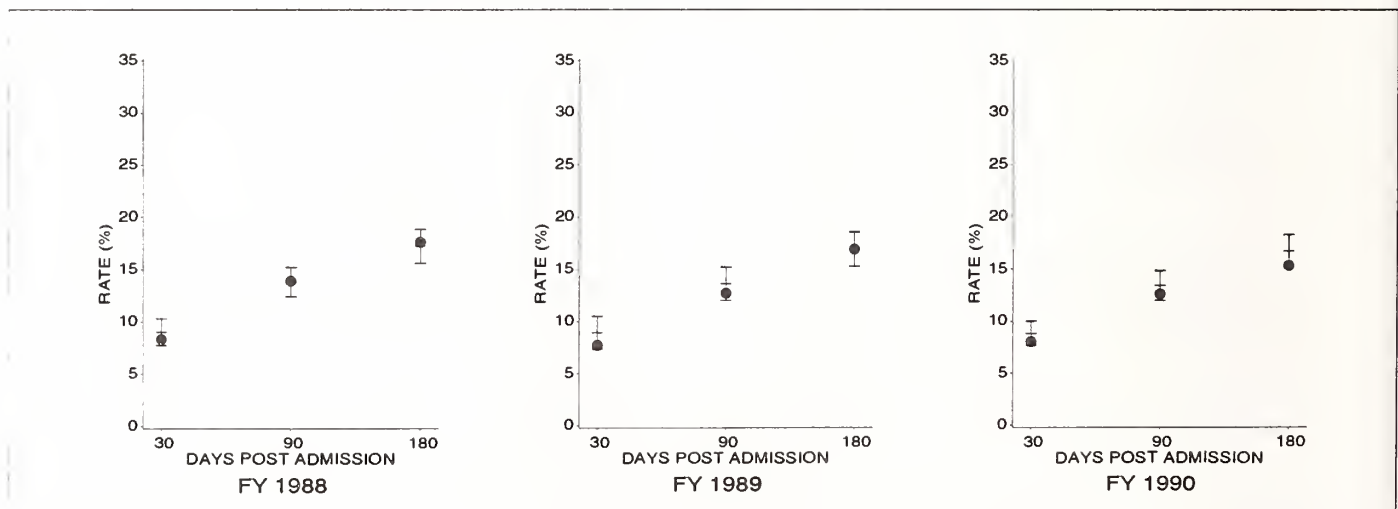
11311 SHAKER BLVD  
CLEVELAND, OH 44104  
Medicare Provider Number: 360045

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2633            | 8.0                 | 8.8  | 0.6  | 12.6    | 13.4 | 0.7  | 15.3     | 16.7 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 66              | 27.3                | 28.4 | 5.7  | 33.3    | 31.5 | 7.3  | 33.3     | 34.2 | 7.3  |
| Congestive Heart Failure.....              | 145             | 13.8                | 13.6 | 3.4  | 21.4    | 21.7 | 4.4  | 26.9     | 27.7 | 4.6  |
| Pneumonia/Influenza.....                   | 73              | 16.4                | 15.0 | 4.7  | 19.2    | 20.7 | 5.3  | 21.9     | 24.4 | 5.4  |
| Chronic Obstructive Pulmonary Disease..... | 53              | 5.7                 | 11.5 | 5.5  | 5.7     | 19.2 | 6.9  | 15.1     | 24.5 | 8.4  |
| Transient Cerebral Ischemia.....           | 35              | 0.0                 | 1.8  | ---- | 0.0     | 4.2  | ---- | 2.9      | 6.6  | ---- |
| Stroke.....                                | 77              | 15.6                | 21.1 | 8.1  | 20.8    | 27.0 | 8.4  | 24.7     | 30.5 | 7.5  |
| Hip Fracture.....                          | 38              | 10.5                | 7.2  | ---- | 18.4    | 13.0 | ---- | 23.7     | 16.9 | ---- |
| Sepsis.....                                | 20              | 25.0                | 36.8 | ---- | 50.0    | 45.5 | ---- | 60.0     | 50.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 54              | 0.0                 | 3.2  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.1  | ---- |
| Coronary Artery Bypass Graft.....          | 82              | 4.9                 | 5.4  | 3.0  | 7.3     | 7.6  | 2.9  | 9.8      | 8.6  | 3.2  |
| Initial Pacemaker Insertion.....           | 9               | 0.0                 | 1.4  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.4  | ---- |
| Carotid Endarterectomy.....                | 8               | 12.5                | 0.8  | ---- | 12.5    | 1.5  | ---- | 12.5     | 2.2  | ---- |
| Hip Replacement/Reconstruction.....        | 43              | 0.0                 | 1.8  | ---- | 2.3     | 3.3  | ---- | 2.3      | 4.3  | ---- |
| Open Reduction of Hip Fracture.....        | 16              | 6.3                 | 5.8  | ---- | 12.5    | 10.7 | ---- | 12.5     | 14.7 | ---- |
| Prostatectomy.....                         | 64              | 1.6                 | 1.6  | 1.7  | 1.6     | 3.6  | 2.9  | 4.7      | 5.5  | 3.0  |
| Cholecystectomy.....                       | 31              | 3.2                 | 2.3  | ---- | 6.5     | 4.7  | ---- | 12.9     | 6.7  | ---- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST LUKES HOSPITAL ASSOCIATION

Medicare Provider Number: 360045

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.8 years  
Proportion female..... 53.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.8 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 25.6 %  
Admitted for emergency..... 69.9 %

### COMORBIDITIES:

Cancer..... 7.2 %  
Chronic cardiovascular disease..... 31.9 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 5.6 %  
Chronic pulmonary disease..... 10.6 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 8.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.9%  
State ..... 9.4%  
Outside State ..... 1.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 413  
Occupancy Rate ..... 71.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 23.7 %  
Case Mix Index (CMI) ..... 1.3852

### STAFFING:

Total Number of Physicians..... 269  
Percent of Physicians Board  
Certified Specialists ..... 80.7 %  
Medical Residents/Interns ..... 90  
Registered Nurses..... 456  
Licensed Practical Nurses ..... 19

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST RITAS MEDICAL CENTER

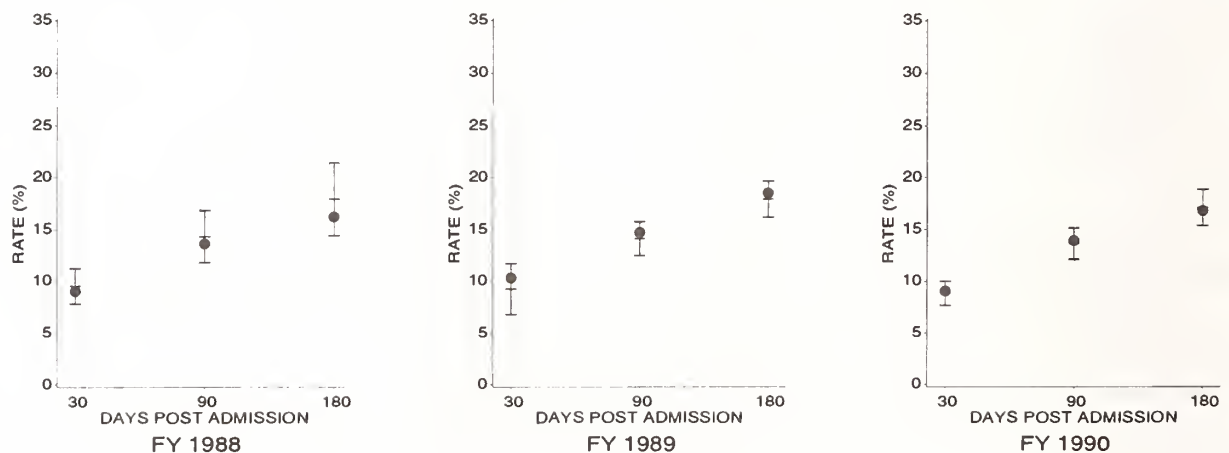
730 WEST MARKET STREET  
LIMA, OH 45801  
Medicare Provider Number: 360066

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2476               | 9.0                 | 8.8  | 0.6  | 13.9    | 13.6 | 0.8  | 16.8     | 17.1 | 0.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 76                 | 27.6                | 31.7 | 6.0  | 36.8    | 34.6 | 5.6  | 40.8     | 37.4 | 5.7  |
| Congestive Heart Failure.....              | 170                | 13.5                | 14.1 | 2.9  | 20.6    | 22.0 | 3.9  | 24.7     | 27.9 | 5.1  |
| Pneumonia/Influenza.....                   | 107                | 16.8                | 16.1 | 3.7  | 19.6    | 22.1 | 4.4  | 22.4     | 26.3 | 5.4  |
| Chronic Obstructive Pulmonary Disease..... | 57                 | 3.5                 | 6.8  | 6.1  | 12.3    | 12.3 | 5.1  | 15.8     | 16.6 | 5.0  |
| Transient Cerebral Ischemia.....           | 45                 | 0.0                 | 1.6  | ---- | 0.0     | 3.5  | ---- | 0.0      | 5.9  | ---- |
| Stroke.....                                | 67                 | 29.9                | 22.8 | 7.1  | 34.3    | 29.6 | 6.5  | 38.8     | 33.6 | 6.8  |
| Hip Fracture.....                          | 72                 | 5.6                 | 6.4  | 3.0  | 11.1    | 11.1 | 3.9  | 12.5     | 14.5 | 4.5  |
| Sepsis.....                                | 21                 | 14.3                | 31.4 | ---- | 28.6    | 41.8 | ---- | 47.6     | 47.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 29                 | 3.4                 | 4.0  | ---- | 10.3    | 7.7  | ---- | 10.3     | 10.7 | ---- |
| Carotid Endarterectomy.....                | 28                 | 0.0                 | 1.0  | ---- | 3.6     | 2.0  | ---- | 3.6      | 3.0  | ---- |
| Hip Replacement/Reconstruction.....        | 64                 | 3.1                 | 3.0  | 3.5  | 6.3     | 5.6  | 3.1  | 6.3      | 7.5  | 3.5  |
| Open Reduction of Hip Fracture.....        | 27                 | 7.4                 | 6.9  | ---- | 11.1    | 12.4 | ---- | 14.8     | 16.2 | ---- |
| Prostatectomy.....                         | 42                 | 0.0                 | 1.0  | ---- | 0.0     | 2.3  | ---- | 0.0      | 4.0  | ---- |
| Cholecystectomy.....                       | 48                 | 4.2                 | 4.1  | ---- | 6.3     | 7.6  | ---- | 12.5     | 10.3 | ---- |
| Hysterectomy.....                          | 23                 | 0.0                 | 0.2  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST RITAS MEDICAL CENTER

Medicare Provider Number: 360066

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.1 years |
| Proportion female.....        | 56.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 46.9 % |
| Transferred from skilled nursing facility..... | 1.8 %  |
| Admitted for elective procedure.....           | 20.9 % |
| Admitted for emergency.....                    | 60.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 10.9 % |
| Chronic cardiovascular disease..... | 40.2 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 2.5 %  |
| Chronic pulmonary disease.....      | 15.1 % |
| Cerebrovascular degeneration.....   | 3.3 %  |
| Diabetes mellitus.....              | 5.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                    |        |
|--------------------|--------|
| County/City.....   | 56.9%  |
| State.....         | 41.6%  |
| Outside State..... | 1.5%   |
| Total.....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|               |          |
|---------------|----------|
| Hospital..... | 8.1 Days |
| State.....    | 8.3 Days |
| National..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                           |        |
|---------------------------|--------|
| Total Beds.....           | 333    |
| Occupancy Rate.....       | 70.0 % |
| Ownership/Control.....    | Church |
| Medicare Discharges.....  | 27.3 % |
| Case Mix Index (CMI)..... | 1.2256 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 240    |
| Percent of Physicians Board<br>Certified Specialists..... | 68.8 % |
| Medical Residents/Interns.....                            | 0      |
| Registered Nurses.....                                    | 397    |
| Licensed Practical Nurses.....                            | 82     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit.....                       | No  |
| Cardiac Intensive Care.....          | Yes |
| Comprehensive Geriatric.....         | No  |
| Hospice Care.....                    | Yes |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant.....         | No  |
| Other Intensive Care.....            | No  |
| Trauma Center.....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                          |     |
|--------------------------|-----|
| Alcohol/Drug.....        | Yes |
| Rehabilitation.....      | Yes |
| Psychiatric.....         | Yes |
| Medicare Swing Beds..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST THOMAS MEDICAL CENTER

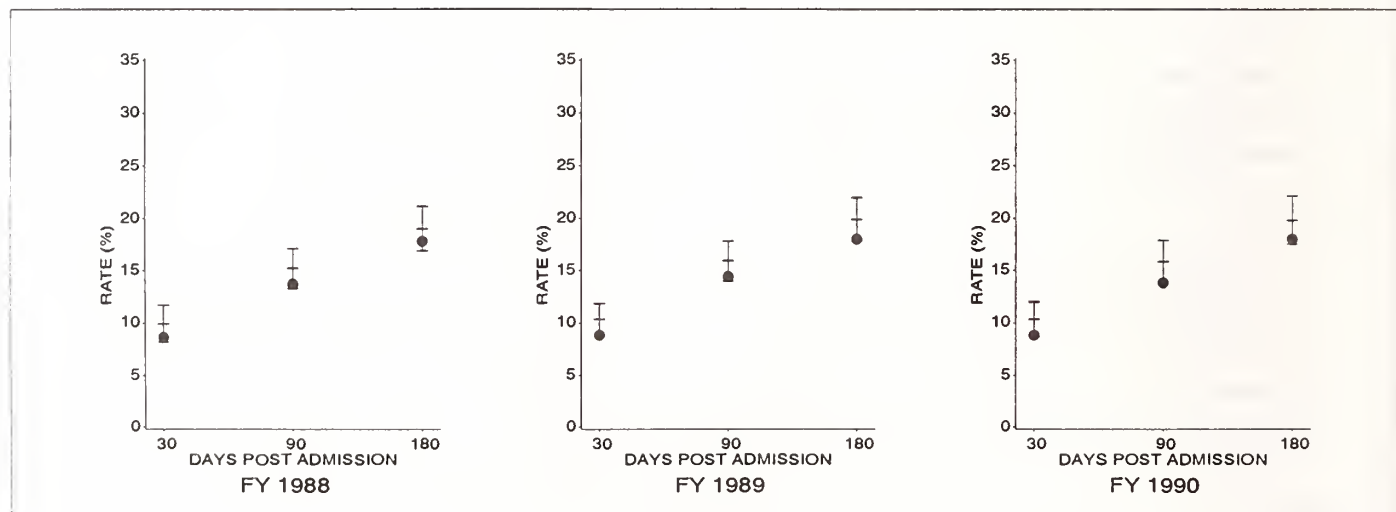
444 NORTH MAIN STREET  
AKRON, OH 44310  
Medicare Provider Number: 360020

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2306            | 8.8                 | 10.3 | 0.8  | 13.8    | 15.8 | 1.0  | 18.0     | 19.8 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 53              | 26.4                | 31.5 | 8.4  | 26.4    | 35.2 | 9.2  | 32.1     | 38.0 | 8.8  |
| Congestive Heart Failure.....              | 145             | 10.3                | 14.4 | 4.0  | 22.1    | 22.9 | 3.8  | 31.0     | 29.1 | 4.2  |
| Pneumonia/Influenza.....                   | 124             | 12.9                | 17.6 | 4.5  | 17.7    | 23.7 | 6.1  | 21.0     | 27.7 | 6.2  |
| Chronic Obstructive Pulmonary Disease..... | 57              | 5.3                 | 7.9  | 5.6  | 14.0    | 13.7 | 4.6  | 19.3     | 18.1 | 6.1  |
| Transient Cerebral Ischemia.....           | 36              | 5.6                 | 1.8  | ---- | 13.9    | 4.3  | ---- | 19.4     | 7.4  | ---- |
| Stroke.....                                | 82              | 19.5                | 21.9 | 5.0  | 28.0    | 29.2 | 5.2  | 29.3     | 33.2 | 6.2  |
| Hip Fracture.....                          | 58              | 5.2                 | 6.3  | 3.7  | 10.3    | 11.5 | 6.6  | 12.1     | 15.2 | 6.2  |
| Sepsis.....                                | 44              | 22.7                | 24.6 | ---- | 31.8    | 34.2 | ---- | 43.2     | 40.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 5.4  | ---- | 7.1     | 10.7 | ---- | 7.1      | 15.1 | ---- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 0.9  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.3  | ---- |
| Hip Replacement/Reconstruction.....        | 39              | 2.6                 | 3.9  | ---- | 2.6     | 7.2  | ---- | 2.6      | 9.8  | ---- |
| Open Reduction of Hip Fracture.....        | 14              | 7.1                 | 7.7  | ---- | 14.3    | 14.8 | ---- | 14.3     | 19.9 | ---- |
| Prostatectomy.....                         | 52              | 5.8                 | 1.1  | 3.4  | 7.7     | 2.4  | 3.9  | 7.7      | 4.0  | 3.8  |
| Cholecystectomy.....                       | 31              | 0.0                 | 2.4  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.5  | ---- |
| Hysterectomy.....                          | 8               | 0.0                 | 1.2  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST THOMAS MEDICAL CENTER

Medicare Provider Number: 360020

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
Proportion female..... 58.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 29.8 %  
Transferred from skilled nursing facility..... 4.7 %  
Admitted for elective procedure..... 11.3 %  
Admitted for emergency..... 68.0 %

### COMORBIDITIES:

Cancer..... 8.4 %  
Chronic cardiovascular disease..... 39.5 %  
Chronic liver disease..... 2.3 %  
Chronic renal disease..... 7.0 %  
Chronic pulmonary disease..... 21.5 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 10.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.8%  
State ..... 8.1%  
Outside State ..... 2.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 361  
Occupancy Rate ..... 51.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 42.7 %  
Case Mix Index (CMI) ..... 1.2270

### STAFFING:

Total Number of Physicians..... 186  
Percent of Physicians Board  
Certified Specialists..... 88.7 %  
Medical Residents/Interns ..... 45  
Registered Nurses..... 273  
Licensed Practical Nurses..... 77

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation ..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST VINCENT CHARITY HOSPITAL

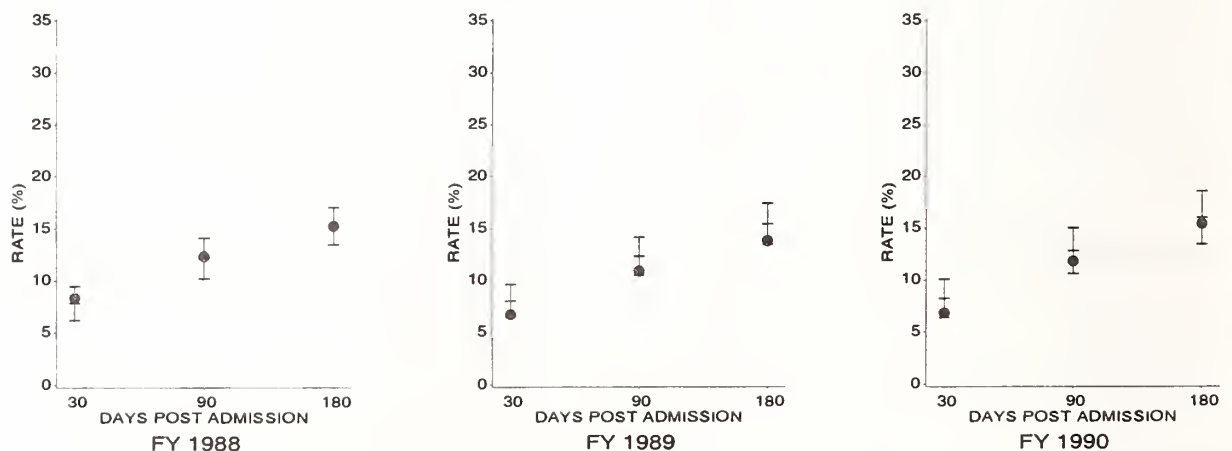
2351 E 22ND ST  
CLEVELAND, OH 44115  
Medicare Provider Number: 360037

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2001            | 6.8                 | 8.2  | 0.9  | 11.8    | 12.8 | 1.1  | 15.4     | 16.0 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 49              | 20.4                | 24.5 | ---- | 26.5    | 27.6 | ---- | 28.6     | 30.5 | ---- |
| Congestive Heart Failure.....              | 116             | 7.8                 | 13.5 | 4.5  | 15.5    | 21.6 | 5.2  | 25.0     | 27.9 | 4.7  |
| Pneumonia/Influenza.....                   | 48              | 6.3                 | 15.7 | ---- | 22.9    | 21.4 | ---- | 22.9     | 25.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 42              | 7.1                 | 11.5 | ---- | 11.9    | 19.4 | ---- | 14.3     | 24.7 | ---- |
| Transient Cerebral Ischemia.....           | 19              | 0.0                 | 1.9  | ---- | 0.0     | 4.1  | ---- | 0.0      | 6.3  | ---- |
| Stroke.....                                | 64              | 7.8                 | 19.3 | 7.8  | 17.2    | 25.9 | 8.4  | 17.2     | 29.4 | 8.8  |
| Hip Fracture.....                          | 18              | 5.6                 | 6.3  | ---- | 5.6     | 11.1 | ---- | 16.7     | 14.6 | ---- |
| Sepsis.....                                | 6               | 0.0                 | 20.3 | ---- | 0.0     | 25.0 | ---- | 16.7     | 27.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 39              | 2.6                 | 1.6  | ---- | 2.6     | 2.4  | ---- | 5.1      | 3.1  | ---- |
| Coronary Artery Bypass Graft.....          | 146             | 6.2                 | 5.0  | 2.1  | 8.9     | 7.3  | 3.0  | 10.3     | 8.3  | 3.8  |
| Initial Pacemaker Insertion.....           | 27              | 0.0                 | 2.1  | ---- | 3.7     | 4.2  | ---- | 3.7      | 6.4  | ---- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 1.2  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.3  | ---- |
| Hip Replacement/Reconstruction.....        | 20              | 0.0                 | 1.3  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.6  | ---- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 4.7  | ---- | 0.0     | 8.8  | ---- | 11.1     | 12.1 | ---- |
| Prostatectomy.....                         | 37              | 0.0                 | 1.4  | ---- | 2.7     | 3.2  | ---- | 5.4      | 5.3  | ---- |
| Cholecystectomy.....                       | 32              | 3.1                 | 2.5  | ---- | 3.1     | 4.7  | ---- | 6.3      | 6.3  | ---- |
| Hysterectomy.....                          | 4               | 25.0                | 0.9  | ---- | 25.0    | 1.6  | ---- | 25.0     | 2.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST VINCENT CHARITY HOSPITAL

Medicare Provider Number: 360037

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.8 years  
Proportion female..... 50.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 56.0 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 21.9 %  
Admitted for emergency..... 60.0 %

### COMORBIDITIES:

Cancer..... 7.2 %  
Chronic cardiovascular disease..... 45.5 %  
Chronic liver disease..... 1.6 %  
Chronic renal disease..... 5.2 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 3.4 %  
Diabetes mellitus..... 7.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.6%  
State ..... 14.0%  
Outside State ..... 2.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.6 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 373  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 42.4 %  
Case Mix Index (CMI) ..... 1.7089

### STAFFING:

Total Number of Physicians..... 136  
Percent of Physicians Board  
Certified Specialists ..... 76.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 378  
Licensed Practical Nurses ..... 55

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST VINCENTS MEDICAL CENTER

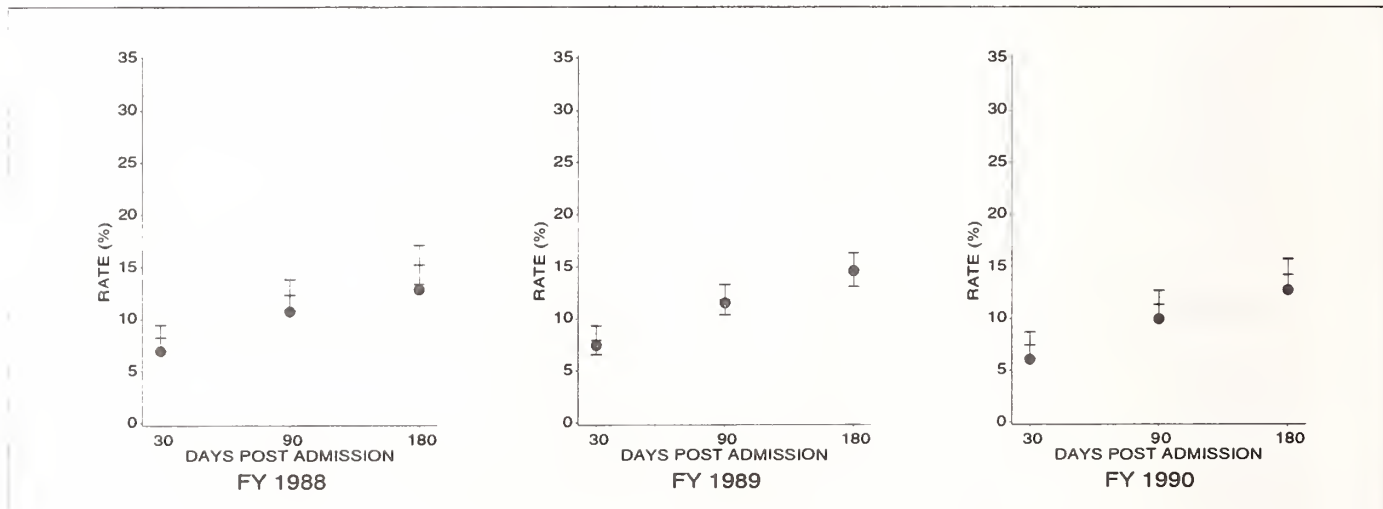
2213 CHERRY ST  
TOLEDO, OH 43608  
Medicare Provider Number: 360112

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3441            | 6.0                 | 7.4  | 0.6  | 9.9     | 11.3 | 0.7  | 12.7     | 14.2 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 91              | 26.4                | 27.8 | 5.1  | 29.7    | 30.5 | 4.9  | 30.8     | 33.1 | 5.5  |
| Congestive Heart Failure.....              | 152             | 16.4                | 13.4 | 4.3  | 28.3    | 21.5 | 6.6  | 32.2     | 27.3 | 6.6  |
| Pneumonia/Influenza.....                   | 79              | 6.3                 | 15.2 | 6.3  | 12.7    | 20.9 | 6.9  | 13.9     | 24.5 | 7.4  |
| Chronic Obstructive Pulmonary Disease..... | 27              | 14.8                | 12.4 | ---- | 25.9    | 20.9 | ---- | 29.6     | 26.6 | ---- |
| Transient Cerebral Ischemia.....           | 56              | 0.0                 | 1.8  | 2.6  | 1.8     | 4.0  | 3.4  | 1.8      | 6.3  | 5.6  |
| Stroke.....                                | 89              | 23.6                | 18.6 | 5.0  | 25.8    | 24.5 | 5.1  | 29.2     | 27.9 | 6.0  |
| Hip Fracture.....                          | 40              | 0.0                 | 6.5  | ---- | 7.5     | 11.4 | ---- | 15.0     | 14.8 | ---- |
| Sepsis.....                                | 21              | 38.1                | 33.1 | ---- | 42.9    | 43.1 | ---- | 42.9     | 48.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 56              | 0.0                 | 2.0  | 2.7  | 0.0     | 2.9  | 3.4  | 0.0      | 3.7  | 4.1  |
| Coronary Artery Bypass Graft.....          | 108             | 0.9                 | 4.1  | 2.7  | 0.9     | 5.8  | 3.3  | 1.9      | 6.7  | 3.5  |
| Initial Pacemaker Insertion.....           | 35              | 0.0                 | 2.9  | ---- | 0.0     | 5.3  | ---- | 5.7      | 7.6  | ---- |
| Carotid Endarterectomy.....                | 44              | 2.3                 | 2.1  | ---- | 6.8     | 3.7  | ---- | 6.8      | 5.3  | ---- |
| Hip Replacement/Reconstruction.....        | 65              | 1.5                 | 2.6  | 2.2  | 4.6     | 5.0  | 3.0  | 7.7      | 6.8  | 3.6  |
| Open Reduction of Hip Fracture.....        | 12              | 0.0                 | 5.9  | ---- | 8.3     | 10.3 | ---- | 8.3      | 13.4 | ---- |
| Prostatectomy.....                         | 145             | 2.1                 | 1.1  | 1.3  | 2.8     | 2.5  | 1.4  | 4.1      | 4.2  | 1.7  |
| Cholecystectomy.....                       | 37              | 5.4                 | 4.9  | ---- | 13.5    | 8.3  | ---- | 13.5     | 10.3 | ---- |
| Hysterectomy.....                          | 12              | 0.0                 | 1.4  | ---- | 0.0     | 3.2  | ---- | 0.0      | 5.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST VINCENTS MEDICAL CENTER

Medicare Provider Number: 360112

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.6 years  
Proportion female..... 51.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.6 %  
Transferred from skilled nursing facility..... 1.2 %  
Admitted for elective procedure..... 37.3 %  
Admitted for emergency..... 60.3 %

### COMORBIDITIES:

Cancer..... 6.7 %  
Chronic cardiovascular disease..... 43.2 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 5.1 %  
Chronic pulmonary disease..... 19.3 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 64.4%  
State..... 20.5%  
Outside State..... 15.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 9.3 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 532  
Occupancy Rate..... 69.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 31.8 %  
Case Mix Index (CMI)..... 1.4851

### STAFFING:

Total Number of Physicians..... 193  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns..... 37  
Registered Nurses..... 815  
Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit..... Yes  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... Yes  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# STOUDER MEMORIAL HOSPITAL

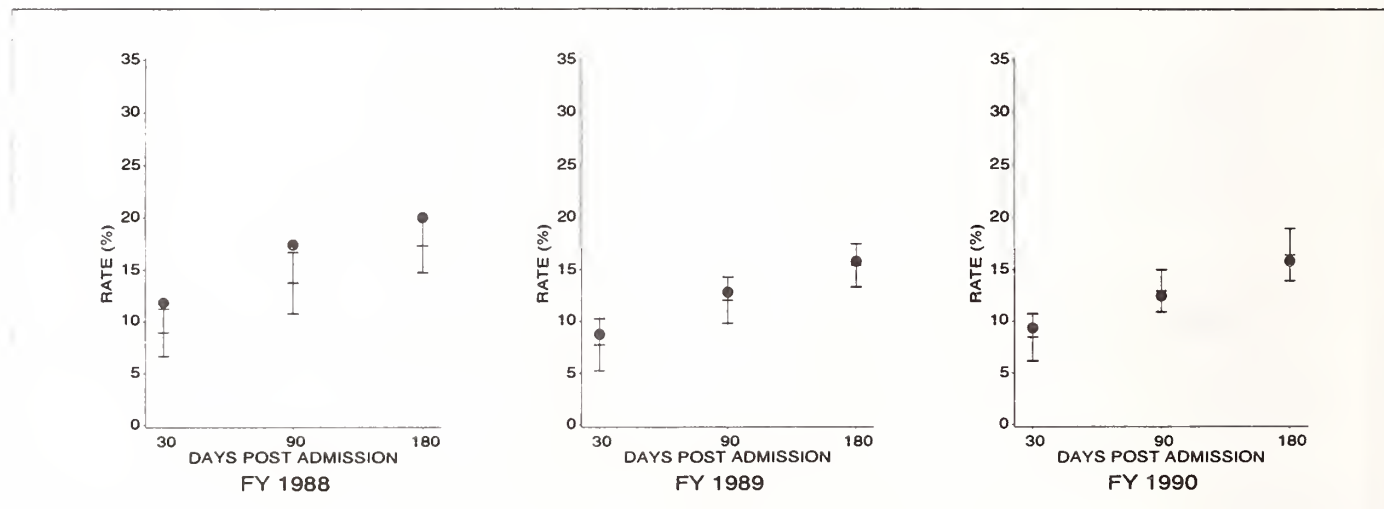
920 SUMMIT AVENUE  
TROY, OH 45373  
Medicare Provider Number: 360174

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1324            | 9.3                 | 8.4  | 1.1  | 12.4    | 12.9 | 1.0  | 15.8     | 16.4 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 51              | 15.7                | 26.3 | 10.5 | 19.6    | 29.1 | 10.4 | 19.6     | 31.9 | 10.4 |
| Congestive Heart Failure.....              | 107             | 20.6                | 14.8 | 7.1  | 25.2    | 23.6 | 5.8  | 35.5     | 30.4 | 6.3  |
| Pneumonia/Influenza.....                   | 54              | 9.3                 | 14.8 | 9.6  | 14.8    | 19.9 | 9.4  | 20.4     | 23.6 | 8.6  |
| Chronic Obstructive Pulmonary Disease..... | 16              | 12.5                | 7.6  | ---- | 12.5    | 13.0 | ---- | 12.5     | 17.6 | ---- |
| Transient Cerebral Ischemia.....           | 32              | 0.0                 | 1.4  | ---- | 0.0     | 3.1  | ---- | 3.1      | 5.2  | ---- |
| Stroke.....                                | 42              | 19.0                | 20.0 | ---- | 21.4    | 26.1 | ---- | 21.4     | 29.7 | ---- |
| Hip Fracture.....                          | 22              | 4.5                 | 6.4  | ---- | 13.6    | 11.7 | ---- | 18.2     | 15.6 | ---- |
| Sepsis.....                                | 25              | 16.0                | 26.4 | ---- | 20.0    | 33.4 | ---- | 20.0     | 37.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 12              | 0.0                 | 1.8  | ---- | 0.0     | 3.8  | ---- | 0.0      | 6.0  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 12              | 0.0                 | 2.2  | ---- | 0.0     | 4.2  | ---- | 0.0      | 5.6  | ---- |
| Open Reduction of Hip Fracture.....        | 7               | 14.3                | 4.9  | ---- | 14.3    | 9.2  | ---- | 14.3     | 12.2 | ---- |
| Prostatectomy.....                         | 58              | 1.7                 | 1.2  | 2.2  | 1.7     | 2.5  | 3.1  | 5.2      | 4.2  | 2.7  |
| Cholecystectomy.....                       | 29              | 3.4                 | 1.2  | ---- | 3.4     | 2.1  | ---- | 6.9      | 2.7  | ---- |
| Hysterectomy.....                          | 17              | 5.9                 | 0.1  | ---- | 5.9     | 0.3  | ---- | 5.9      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# STOUDER MEMORIAL HOSPITAL

Medicare Provider Number: 360174

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 58.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.0 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 29.5 %  
Admitted for emergency..... 53.1 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 44.7 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 4.7 %  
Chronic pulmonary disease..... 18.8 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.8 %  
State ..... 12.7 %  
Outside State ..... 1.5 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.2 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 138  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 44.6 %  
Case Mix Index (CMI) ..... 1.1317

### STAFFING:

Total Number of Physicians..... 86  
Percent of Physicians Board  
Certified Specialists ..... 61.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 137  
Licensed Practical Nurses..... 27

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SYCAMORE MEDICAL CENTER

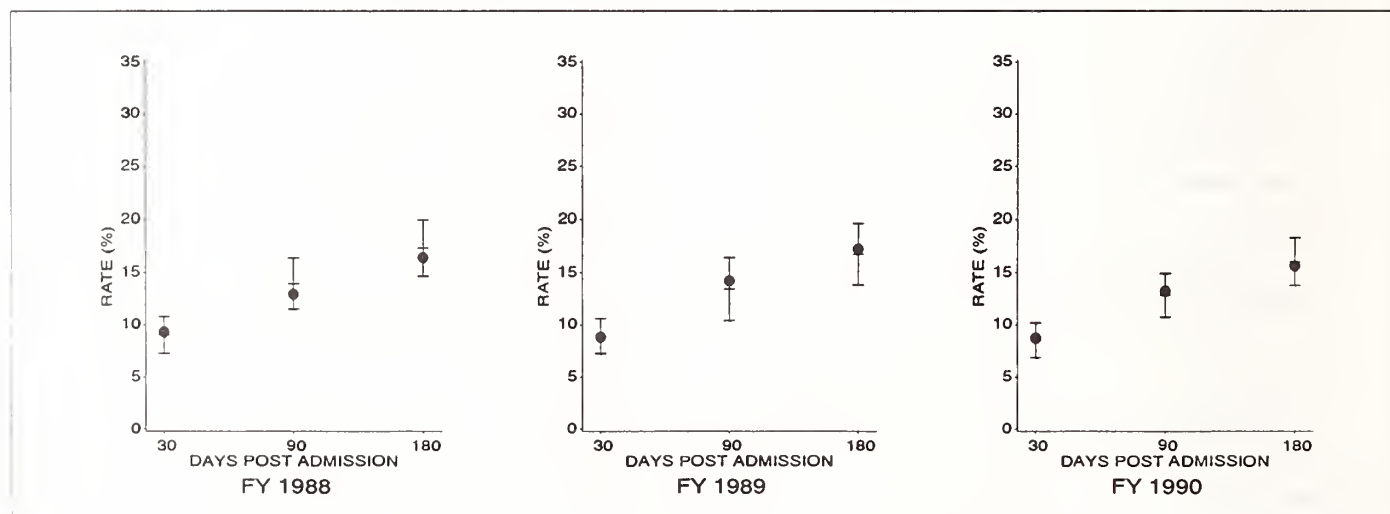
2150 LEITER RD  
MIAMISBURG, OH 45342  
Medicare Provider Number: 360239

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1226            | 8.7                 | 8.5  | 0.8   | 13.2    | 12.8 | 1.1   | 15.6     | 16.0 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 35              | 31.4                | 23.6 | ----- | 34.3    | 26.2 | ----- | 34.3     | 28.7 | ----- |
| Congestive Heart Failure.....              | 82              | 12.2                | 14.4 | 4.7   | 23.2    | 22.7 | 5.4   | 28.0     | 28.7 | 7.4   |
| Pneumonia/Influenza.....                   | 60              | 23.3                | 17.4 | 8.0   | 30.0    | 23.3 | 9.1   | 30.0     | 27.0 | 8.1   |
| Chronic Obstructive Pulmonary Disease..... | 25              | 8.0                 | 7.7  | ----- | 24.0    | 13.8 | ----- | 32.0     | 18.4 | ----- |
| Transient Cerebral Ischemia.....           | 26              | 0.0                 | 2.2  | ----- | 3.8     | 4.9  | ----- | 7.7      | 7.5  | ----- |
| Stroke.....                                | 54              | 13.0                | 17.6 | 7.0   | 24.1    | 24.1 | 7.4   | 29.6     | 27.9 | 6.5   |
| Hip Fracture.....                          | 45              | 4.4                 | 7.4  | ----- | 6.7     | 12.8 | ----- | 6.7      | 16.5 | ----- |
| Sepsis.....                                | 17              | 17.6                | 19.0 | ----- | 17.6    | 23.5 | ----- | 17.6     | 27.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 12              | 16.7                | 5.1  | ----- | 25.0    | 9.9  | ----- | 25.0     | 13.9 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 15              | 0.0                 | 7.0  | ----- | 6.7     | 12.0 | ----- | 6.7      | 15.7 | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 7.4  | ----- | 0.0     | 13.2 | ----- | 0.0      | 16.8 | ----- |
| Prostatectomy.....                         | 51              | 0.0                 | 1.1  | 1.9   | 2.0     | 2.3  | 2.7   | 3.9      | 3.6  | 3.7   |
| Cholecystectomy.....                       | 24              | 4.2                 | 2.8  | ----- | 4.2     | 5.8  | ----- | 4.2      | 8.1  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.6  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SYCAMORE MEDICAL CENTER

Medicare Provider Number: 360239

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years

Proportion female..... 58.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.4 %

Transferred from skilled nursing facility..... 1.2 %

Admitted for elective procedure..... 28.6 %

Admitted for emergency..... 12.6 %

### COMORBIDITIES:

Cancer..... 6.6 %

Chronic cardiovascular disease..... 40.2 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 1.8 %

Chronic pulmonary disease..... 14.7 %

Cerebrovascular degeneration..... 3.6 %

Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.5%

State ..... 29.6%

Outside State ..... 2.9%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 120

Ownership/Control..... Church

Case Mix Index (CMI) ..... 1.1933

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 0

Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... No

Hospice Care ..... No

Intensive Care Unit ..... No

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TIMKEN MERCY MEDICAL CENTER

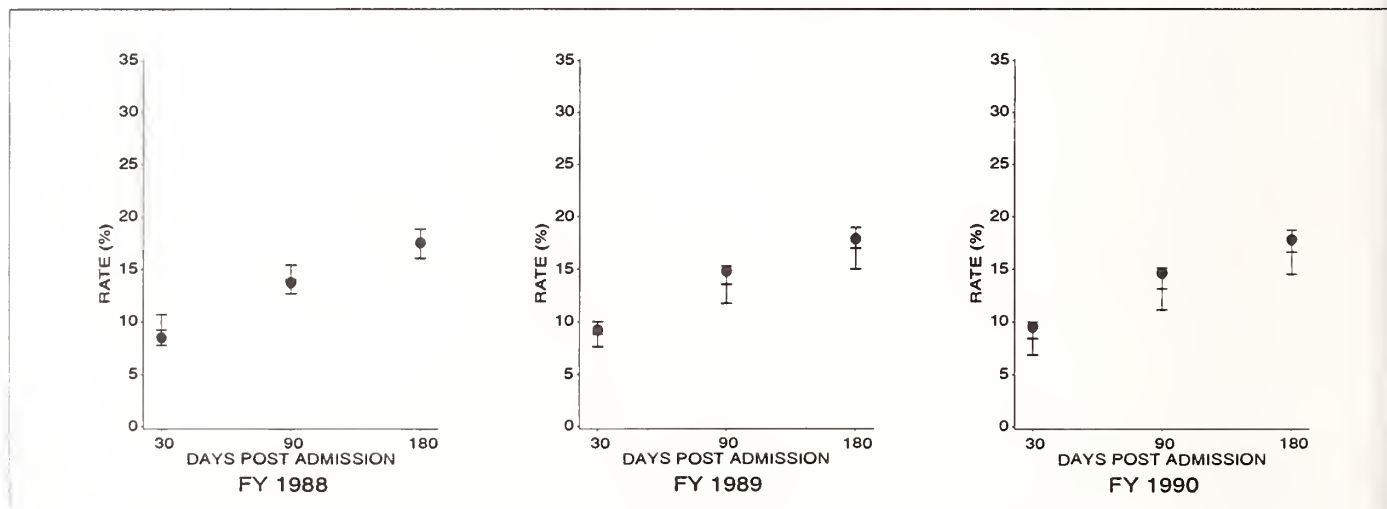
1320 TIMKEN MERCY DR NW  
CANTON, OH 44708  
Medicare Provider Number: 360070

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2843            | 9.5                 | 8.4  | 0.8   | 14.6    | 13.1 | 1.0   | 17.8     | 16.6 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 128             | 23.4                | 20.5 | 4.2   | 27.3    | 23.4 | 5.0   | 29.7     | 26.0 | 4.8   |
| Congestive Heart Failure.....              | 135             | 18.5                | 13.5 | 4.8   | 26.7    | 21.3 | 4.8   | 33.3     | 27.4 | 5.4   |
| Pneumonia/Influenza.....                   | 118             | 22.0                | 16.5 | 5.5   | 29.7    | 22.5 | 5.5   | 32.2     | 26.5 | 6.6   |
| Chronic Obstructive Pulmonary Disease..... | 59              | 10.2                | 8.3  | 6.8   | 18.6    | 14.5 | 8.0   | 18.6     | 19.3 | 11.1  |
| Transient Cerebral Ischemia.....           | 36              | 2.8                 | 2.1  | ----- | 8.3     | 4.7  | ----- | 13.9     | 7.7  | ----- |
| Stroke.....                                | 88              | 18.2                | 20.9 | 5.3   | 20.5    | 26.9 | 6.5   | 22.7     | 30.4 | 6.6   |
| Hip Fracture.....                          | 69              | 8.7                 | 6.8  | 3.5   | 11.6    | 12.1 | 3.9   | 15.9     | 15.8 | 4.5   |
| Sepsis.....                                | 21              | 38.1                | 22.5 | ----- | 47.6    | 28.5 | ----- | 52.4     | 32.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 2               | 0.0                 | 1.5  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.7  | ----- |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 2.5  | ----- | 0.0     | 5.1  | ----- | 0.0      | 7.7  | ----- |
| Carotid Endarterectomy.....                | 12              | 8.3                 | 1.9  | ----- | 8.3     | 3.5  | ----- | 16.7     | 5.1  | ----- |
| Hip Replacement/Reconstruction.....        | 47              | 6.4                 | 3.5  | ----- | 8.5     | 6.7  | ----- | 12.8     | 9.0  | ----- |
| Open Reduction of Hip Fracture.....        | 26              | 3.8                 | 6.0  | ----- | 7.7     | 10.6 | ----- | 11.5     | 14.1 | ----- |
| Prostatectomy.....                         | 84              | 2.4                 | 1.0  | 1.6   | 2.4     | 2.3  | 2.0   | 3.6      | 4.0  | 2.4   |
| Cholecystectomy.....                       | 59              | 1.7                 | 3.1  | 2.7   | 5.1     | 5.9  | 3.4   | 5.1      | 7.7  | 4.2   |
| Hysterectomy.....                          | 26              | 3.8                 | 0.9  | ----- | 3.8     | 2.0  | ----- | 3.8      | 3.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# TIMKEN MERCY MEDICAL CENTER

Medicare Provider Number: 360070

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.8 years  
Proportion female..... 55.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.2 %  
Transferred from skilled nursing facility..... 3.2 %  
Admitted for elective procedure..... 19.3 %  
Admitted for emergency..... 30.4 %

### COMORBIDITIES:

Cancer..... 8.3 %  
Chronic cardiovascular disease..... 38.3 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 16.3 %  
Cerebrovascular degeneration..... 5.1 %  
Diabetes mellitus..... 8.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.1%  
State ..... 14.9%  
Outside State ..... 2.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.4 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 389  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 37.6 %  
Case Mix Index (CMI) ..... 1.2556

### STAFFING:

Total Number of Physicians..... 214  
Percent of Physicians Board  
Certified Specialists..... 78.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 329  
Licensed Practical Nurses ..... 86

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

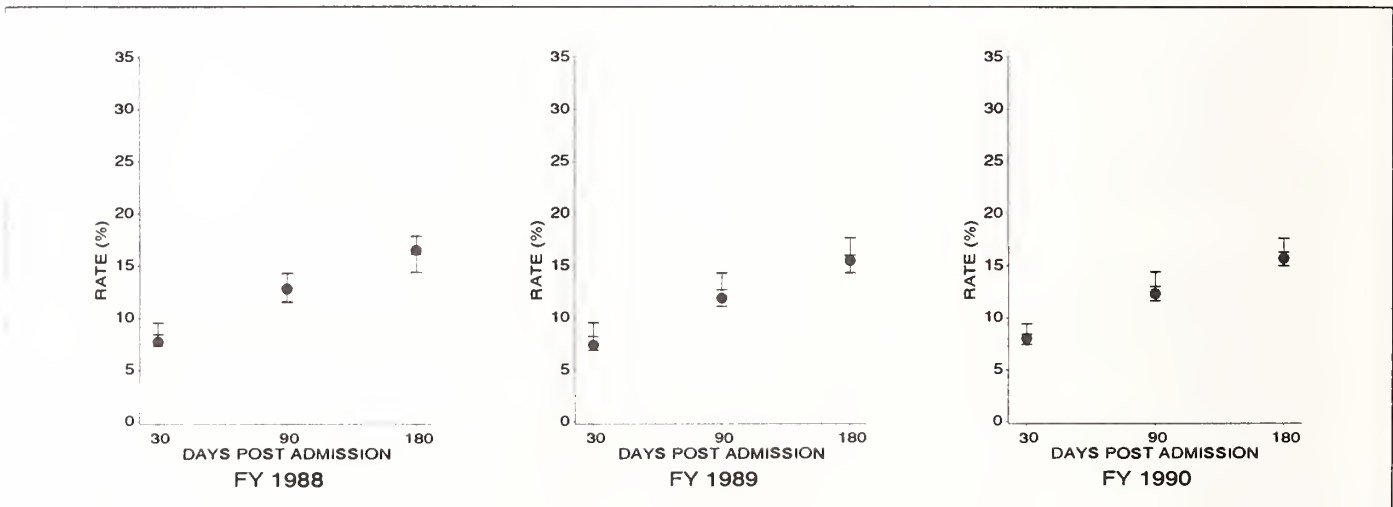
**TOLEDO HOSPITAL**  
 2142 NORTH COVE BOULEVARD  
 TOLEDO, OH 43606  
 Medicare Provider Number: 360068

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 5044               | 8.0                 | 8.4  | 0.5  | 12.3    | 13.0 | 0.7  | 15.7     | 16.3 | 0.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 114                | 19.3                | 23.6 | 4.7  | 28.9    | 26.6 | 4.8  | 34.2     | 29.3 | 5.3  |
| Congestive Heart Failure.....              | 259                | 18.1                | 15.0 | 3.4  | 25.5    | 23.8 | 3.4  | 32.0     | 30.0 | 3.7  |
| Pneumonia/Influenza.....                   | 161                | 16.8                | 16.7 | 3.1  | 24.8    | 22.6 | 3.8  | 29.8     | 26.4 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 92                 | 13.0                | 9.4  | 6.2  | 20.7    | 16.6 | 7.2  | 23.9     | 22.1 | 8.4  |
| Transient Cerebral Ischemia.....           | 89                 | 1.1                 | 1.5  | 1.9  | 2.2     | 3.4  | 3.1  | 2.2      | 5.4  | 4.0  |
| Stroke.....                                | 198                | 17.2                | 18.8 | 3.3  | 24.2    | 25.5 | 3.4  | 29.8     | 29.3 | 3.7  |
| Hip Fracture.....                          | 106                | 7.5                 | 6.1  | 2.9  | 11.3    | 10.7 | 3.8  | 16.0     | 13.9 | 5.8  |
| Sepsis.....                                | 61                 | 21.3                | 22.4 | 5.4  | 29.5    | 29.7 | 6.9  | 34.4     | 34.1 | 7.2  |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 44                 | 0.0                 | 1.7  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.4  | ---- |
| Coronary Artery Bypass Graft.....          | 47                 | 0.0                 | 5.2  | ---- | 4.3     | 7.4  | ---- | 4.3      | 8.3  | ---- |
| Initial Pacemaker Insertion.....           | 37                 | 0.0                 | 2.3  | ---- | 0.0     | 4.7  | ---- | 5.4      | 7.0  | ---- |
| Carotid Endarterectomy.....                | 50                 | 2.0                 | 1.6  | ---- | 4.0     | 3.2  | ---- | 6.0      | 4.8  | ---- |
| Hip Replacement/Reconstruction.....        | 119                | 2.5                 | 2.3  | 1.4  | 4.2     | 4.4  | 2.3  | 5.9      | 6.0  | 3.5  |
| Open Reduction of Hip Fracture.....        | 47                 | 10.6                | 6.2  | ---- | 14.9    | 11.1 | ---- | 21.3     | 14.6 | ---- |
| Prostatectomy.....                         | 135                | 0.7                 | 0.8  | 0.8  | 3.0     | 1.9  | 1.5  | 3.7      | 3.3  | 1.9  |
| Cholecystectomy.....                       | 77                 | 3.9                 | 3.8  | 2.3  | 6.5     | 7.2  | 3.0  | 9.1      | 9.6  | 3.6  |
| Hysterectomy.....                          | 68                 | 1.5                 | 0.7  | 1.3  | 1.5     | 1.5  | 1.8  | 2.9      | 2.3  | 3.0  |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**TOLEDO HOSPITAL**  
Medicare Provider Number: 360068

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.8 years  
Proportion female..... 57.3 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 48.7 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 27.4 %  
Admitted for emergency..... 50.0 %

**COMORBIDITIES:**

Cancer..... 7.9 %  
Chronic cardiovascular disease..... 35.4 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 14.9 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 5.5 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 72.8%  
State..... 16.7%  
Outside State ..... 10.5%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 8.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

**SOURCE:** AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 712  
Occupancy Rate ..... 71.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 27.1 %  
Case Mix Index (CMI) ..... 1.3480

**STAFFING:**

Total Number of Physicians..... 420  
Percent of Physicians Board  
Certified Specialists..... 76.4 %  
Medical Residents/Interns ..... 18  
Registered Nurses..... 908  
Licensed Practical Nurses ..... 200

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRUMBULL MEMORIAL HOSPITAL

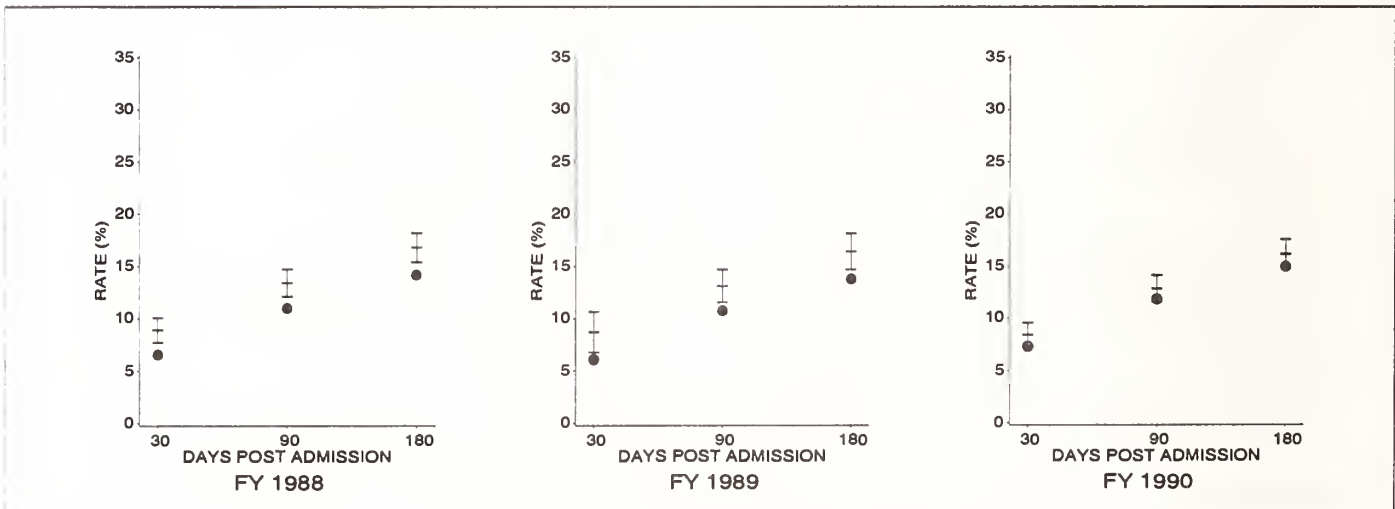
1350 EAST MARKET STREET  
WARREN, OH 44482  
Medicare Provider Number: 360055

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3529            | 7.3                 | 8.4  | 0.6  | 11.8    | 12.8 | 0.6  | 14.9     | 16.1 | 0.7  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 93              | 32.3                | 27.2 | 6.0  | 35.5    | 30.6 | 6.5  | 37.6     | 33.6 | 6.2  |
| Congestive Heart Failure.....              | 196             | 15.3                | 15.2 | 2.7  | 27.6    | 23.8 | 3.9  | 33.2     | 30.1 | 4.0  |
| Pneumonia/Influenza.....                   | 170             | 12.4                | 15.9 | 4.9  | 15.9    | 21.8 | 5.1  | 21.2     | 25.9 | 5.2  |
| Chronic Obstructive Pulmonary Disease..... | 89              | 11.2                | 8.5  | 5.0  | 24.7    | 14.8 | 7.2  | 27.0     | 19.7 | 6.5  |
| Transient Cerebral Ischemia.....           | 86              | 0.0                 | 1.6  | 1.9  | 0.0     | 3.5  | 3.2  | 1.2      | 5.6  | 3.8  |
| Stroke.....                                | 96              | 17.7                | 19.9 | 4.6  | 27.1    | 26.1 | 4.9  | 32.3     | 30.0 | 5.1  |
| Hip Fracture.....                          | 46              | 10.9                | 8.5  | ---- | 17.4    | 15.0 | ---- | 17.4     | 19.2 | ---- |
| Sepsis.....                                | 23              | 13.0                | 27.7 | ---- | 21.7    | 35.3 | ---- | 26.1     | 39.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 40              | 5.0                 | 3.8  | ---- | 7.5     | 7.1  | ---- | 7.5      | 10.1 | ---- |
| Carotid Endarterectomy.....                | 20              | 0.0                 | 1.6  | ---- | 0.0     | 2.8  | ---- | 5.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 42              | 2.4                 | 4.2  | ---- | 7.1     | 8.3  | ---- | 9.5      | 11.3 | ---- |
| Open Reduction of Hip Fracture.....        | 24              | 16.7                | 6.5  | ---- | 16.7    | 11.9 | ---- | 16.7     | 15.7 | ---- |
| Prostatectomy.....                         | 187             | 0.5                 | 1.0  | 0.8  | 2.7     | 2.4  | 1.2  | 2.7      | 3.9  | 1.8  |
| Cholecystectomy.....                       | 61              | 0.0                 | 2.0  | 2.3  | 4.9     | 3.6  | 3.1  | 4.9      | 4.8  | 2.7  |
| Hysterectomy.....                          | 24              | 0.0                 | 0.5  | ---- | 0.0     | 1.4  | ---- | 0.0      | 2.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# TRUMBULL MEMORIAL HOSPITAL

Medicare Provider Number: 360055

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.3 years  
Proportion female..... 55.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.6 %  
Transferred from skilled nursing facility..... 6.7 %  
Admitted for elective procedure..... 18.7 %  
Admitted for emergency..... 56.2 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 37.7 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 13.7 %  
Cerebrovascular degeneration..... 3.2 %  
Diabetes mellitus..... 7.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 91.9%  
State..... 5.6%  
Outside State..... 2.5%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.3 Days  
State..... 8.3 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 468  
Occupancy Rate..... 59.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 31.4 %  
Case Mix Index (CMI)..... 1.1693

### STAFFING:

Total Number of Physicians..... 159  
Percent of Physicians Board  
Certified Specialists..... 68.6 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 458  
Licensed Practical Nurses..... 125

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TWIN CITY HOSPITAL

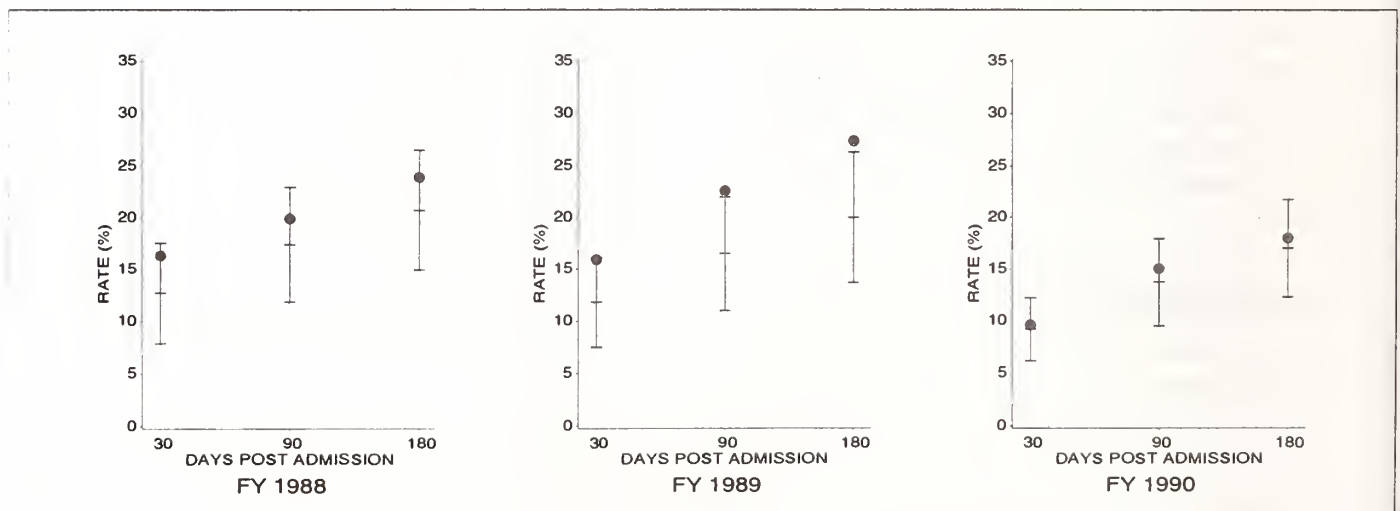
N FIRST AND FUHR ST  
DENNISON, OH 44621  
Medicare Provider Number: 360057

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 394             | 9.6                 | 9.2  | 1.5   | 15.0    | 13.7 | 2.1   | 18.0     | 17.0 | 2.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 17              | 17.6                | 24.3 | ----- | 23.5    | 26.4 | ----- | 23.5     | 28.6 | ----- |
| Congestive Heart Failure.....              | 41              | 24.4                | 14.2 | ----- | 31.7    | 22.1 | ----- | 31.7     | 28.4 | ----- |
| Pneumonia/Influenza.....                   | 23              | 17.4                | 14.6 | ----- | 17.4    | 19.7 | ----- | 21.7     | 23.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13              | 0.0                 | 4.7  | ----- | 0.0     | 8.4  | ----- | 0.0      | 11.8 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 8.3                 | 1.7  | ----- | 8.3     | 3.8  | ----- | 8.3      | 6.2  | ----- |
| Stroke.....                                | 14              | 21.4                | 18.1 | ----- | 42.9    | 25.0 | ----- | 50.0     | 28.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3               | 0.0                 | 18.9 | ----- | 0.0     | 24.9 | ----- | 0.0      | 29.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 6               | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.3  | ----- |
| Cholecystectomy.....                       | 2               | 50.0                | 2.0  | ----- | 50.0    | 3.5  | ----- | 50.0     | 4.2  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 3.7  | ----- | 100.0   | 5.4  | ----- | 100.0    | 7.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**TWIN CITY HOSPITAL**  
Medicare Provider Number: 360057

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 74.6 years  
Proportion female..... 53.8 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 38.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 5.6 %  
Admitted for emergency..... 67.0 %

**COMORBIDITIES:**

Cancer..... 4.1 %  
Chronic cardiovascular disease..... 38.6 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 19.5 %  
Cerebrovascular degeneration..... 1.5 %  
Diabetes mellitus..... 6.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 86.6%  
State ..... 12.6%  
Outside State ..... 0.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.7 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 53  
Occupancy Rate ..... 30.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 49.1 %  
Case Mix Index (CMI) ..... 0.9216

**STAFFING:**

Total Number of Physicians..... 15  
Percent of Physicians Board  
Certified Specialists ..... 46.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 26  
Licensed Practical Nurses..... 15

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

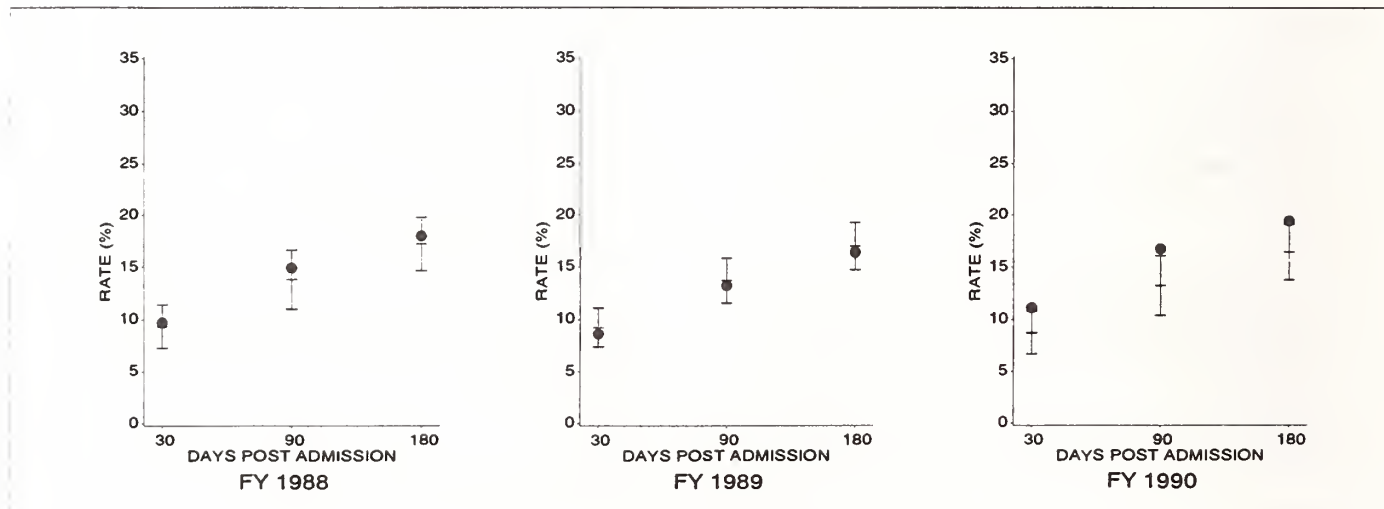
**UNION HOSPITAL**  
659 BOULEVARD  
DOVER, OH 44622  
Medicare Provider Number: 360010

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1389            | 11.1                | 8.7  | 1.0  | 16.7    | 13.2 | 1.4  | 19.4     | 16.4 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 55              | 40.0                | 29.8 | 9.5  | 47.3    | 33.2 | 9.9  | 50.9     | 36.0 | 10.6 |
| Congestive Heart Failure.....              | 92              | 19.6                | 14.1 | 4.7  | 30.4    | 22.5 | 6.5  | 34.8     | 28.1 | 6.5  |
| Pneumonia/Influenza.....                   | 94              | 19.1                | 17.8 | 4.1  | 30.9    | 24.0 | 6.9  | 34.0     | 27.9 | 6.7  |
| Chronic Obstructive Pulmonary Disease..... | 36              | 16.7                | 8.4  | ---- | 22.2    | 15.1 | ---- | 25.0     | 20.3 | ---- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 4.6  | ---- | 0.0     | 9.1  | ---- | 0.0      | 12.5 | ---- |
| Stroke.....                                | 54              | 31.5                | 18.1 | 7.2  | 37.0    | 24.4 | 7.6  | 44.4     | 28.2 | 8.4  |
| Hip Fracture.....                          | 65              | 6.2                 | 6.9  | 4.3  | 13.8    | 12.1 | 5.1  | 16.9     | 15.6 | 5.6  |
| Sepsis.....                                | 12              | 16.7                | 20.0 | ---- | 25.0    | 28.7 | ---- | 25.0     | 34.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 18              | 16.7                | 3.6  | ---- | 16.7    | 6.7  | ---- | 16.7     | 9.4  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 33              | 0.0                 | 3.6  | ---- | 9.1     | 6.6  | ---- | 15.2     | 9.0  | ---- |
| Open Reduction of Hip Fracture.....        | 31              | 6.5                 | 6.5  | ---- | 9.7     | 11.5 | ---- | 9.7      | 15.0 | ---- |
| Prostatectomy.....                         | 47              | 0.0                 | 0.8  | ---- | 2.1     | 1.9  | ---- | 2.1      | 3.2  | ---- |
| Cholecystectomy.....                       | 27              | 0.0                 | 1.9  | ---- | 0.0     | 3.7  | ---- | 0.0      | 5.0  | ---- |
| Hysterectomy.....                          | 15              | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**UNION HOSPITAL**  
Medicare Provider Number: 360010

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 75.6 years  
Proportion female..... 57.1 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 37.6 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 15.6 %  
Admitted for emergency..... 58.7 %

**COMORBIDITIES:**

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 37.1 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 14.8 %  
Cerebrovascular degeneration..... 5.0 %  
Diabetes mellitus..... 9.1 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 91.1%  
State ..... 7.7%  
Outside State ..... 1.2%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 7.5 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 178  
Occupancy Rate ..... 43.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.1816

**STAFFING:**

Total Number of Physicians..... 60  
Percent of Physicians Board  
Certified Specialists..... 60.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 122  
Licensed Practical Nurses..... 8

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNIVERSITY HOSPITALS OF CLEVELAND

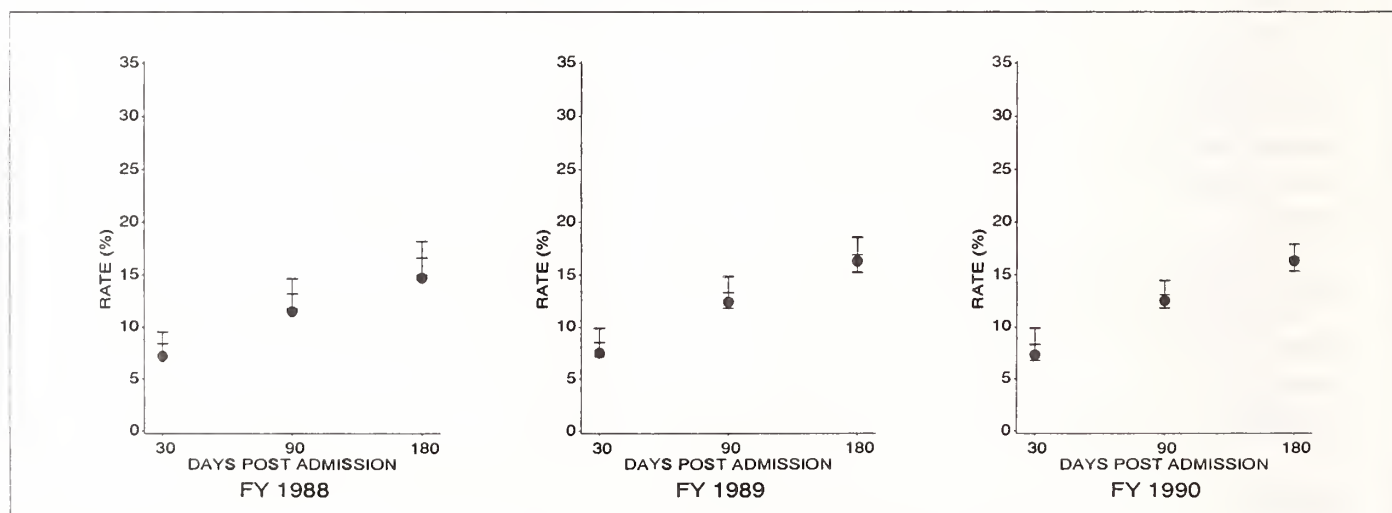
2074 ABINGTON RD  
CLEVELAND, OH 44106  
Medicare Provider Number: 360137

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4352               | 7.3                 | 8.3  | 0.8   | 12.5    | 13.1 | 0.7   | 16.3     | 16.6 | 0.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 80                 | 20.0                | 26.6 | 7.0   | 23.7    | 29.5 | 6.8   | 25.0     | 32.0 | 7.4   |
| Congestive Heart Failure.....              | 194                | 11.3                | 14.8 | 5.2   | 19.1    | 23.6 | 5.5   | 27.3     | 30.0 | 5.6   |
| Pneumonia/Influenza.....                   | 122                | 20.5                | 17.6 | 7.3   | 28.7    | 24.0 | 6.4   | 31.1     | 28.1 | 5.6   |
| Chronic Obstructive Pulmonary Disease..... | 48                 | 12.5                | 10.4 | ----- | 20.8    | 17.6 | ----- | 31.3     | 22.9 | ----- |
| Transient Cerebral Ischemia.....           | 32                 | 3.1                 | 1.8  | ----- | 3.1     | 4.0  | ----- | 12.5     | 6.4  | ----- |
| Stroke.....                                | 125                | 13.6                | 17.9 | 5.9   | 18.4    | 24.2 | 8.0   | 20.0     | 27.7 | 8.8   |
| Hip Fracture.....                          | 78                 | 6.4                 | 7.3  | 4.0   | 10.3    | 12.7 | 4.4   | 20.5     | 16.4 | 5.5   |
| Sepsis.....                                | 18                 | 50.0                | 29.8 | ----- | 50.0    | 38.7 | ----- | 61.1     | 43.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 56                 | 3.6                 | 4.2  | 2.8   | 3.6     | 5.2  | 3.3   | 3.6      | 6.2  | 3.9   |
| Coronary Artery Bypass Graft.....          | 82                 | 11.0                | 6.4  | 4.1   | 13.4    | 9.1  | 5.5   | 17.1     | 10.2 | 5.8   |
| Initial Pacemaker Insertion.....           | 26                 | 3.8                 | 3.3  | ----- | 7.7     | 6.2  | ----- | 7.7      | 8.7  | ----- |
| Carotid Endarterectomy.....                | 17                 | 0.0                 | 1.1  | ----- | 5.9     | 2.0  | ----- | 11.8     | 2.9  | ----- |
| Hip Replacement/Reconstruction.....        | 146                | 0.0                 | 1.8  | 1.9   | 1.4     | 3.4  | 2.2   | 4.1      | 4.7  | 2.0   |
| Open Reduction of Hip Fracture.....        | 31                 | 6.5                 | 7.0  | ----- | 6.5     | 12.9 | ----- | 16.1     | 16.9 | ----- |
| Prostatectomy.....                         | 87                 | 1.1                 | 1.0  | 1.2   | 3.4     | 2.5  | 2.1   | 4.6      | 4.1  | 4.1   |
| Cholecystectomy.....                       | 41                 | 0.0                 | 3.2  | ----- | 12.2    | 6.4  | ----- | 12.2     | 8.7  | ----- |
| Hysterectomy.....                          | 48                 | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 2.1      | 4.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNIVERSITY HOSPITALS OF CLEVELAND

Medicare Provider Number: 360137

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.3 years

Proportion female..... 58.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.7 %

Transferred from skilled nursing facility..... 0.3 %

Admitted for elective procedure..... 33.6 %

Admitted for emergency..... 62.4 %

### COMORBIDITIES:

Cancer..... 9.8 %

Chronic cardiovascular disease..... 30.9 %

Chronic liver disease..... 1.0 %

Chronic renal disease..... 6.4 %

Chronic pulmonary disease..... 8.2 %

Cerebrovascular degeneration..... 4.8 %

Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 77.3%

State ..... 19.4%

Outside State ..... 3.3%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.1 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 771

Occupancy Rate ..... 81.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 23.9 %

Case Mix Index (CMI) ..... 1.4458

### STAFFING:

Total Number of Physicians.....1036

Percent of Physicians Board  
Certified Specialists..... 80.4 %

Medical Residents/Interns ..... 464

Registered Nurses..... 940

Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... Yes

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... Yes

Other Intensive Care ..... Yes

Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNIVERSITY OF CINCINNATI MEDICAL CENTER

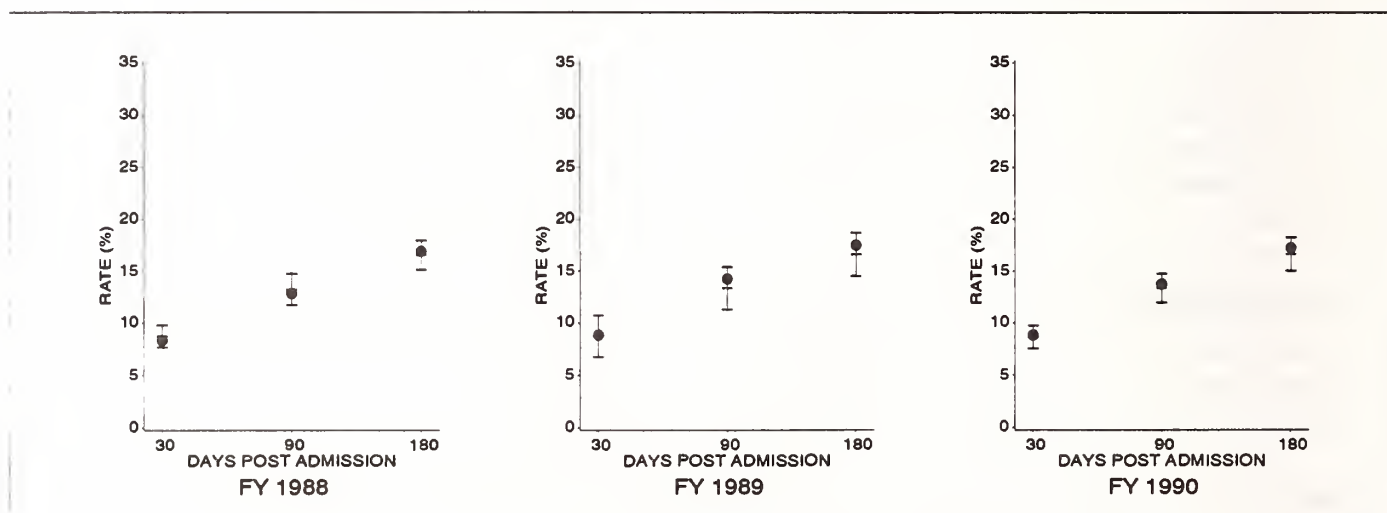
234 GOODMAN ST  
CINCINNATI, OH 45267  
Medicare Provider Number: 360003

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3226            | 8.8                 | 8.6  | 0.5   | 13.7    | 13.3 | 0.7   | 17.2     | 16.6 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 48              | 31.2                | 24.1 | ----- | 33.3    | 27.1 | ----- | 33.3     | 29.8 | ----- |
| Congestive Heart Failure.....              | 136             | 14.0                | 12.8 | 3.3   | 21.3    | 20.5 | 3.6   | 25.0     | 26.1 | 4.5   |
| Pneumonia/Influenza.....                   | 132             | 20.5                | 15.7 | 6.4   | 28.0    | 21.9 | 7.9   | 31.8     | 25.6 | 8.1   |
| Chronic Obstructive Pulmonary Disease..... | 45              | 6.7                 | 8.1  | ----- | 11.1    | 14.4 | ----- | 11.1     | 19.0 | ----- |
| Transient Cerebral Ischemia.....           | 26              | 3.8                 | 1.6  | ----- | 3.8     | 3.4  | ----- | 3.8      | 5.2  | ----- |
| Stroke.....                                | 88              | 18.2                | 18.5 | 4.7   | 26.1    | 24.2 | 4.9   | 29.5     | 27.5 | 5.2   |
| Hip Fracture.....                          | 45              | 6.7                 | 5.7  | ----- | 11.1    | 10.2 | ----- | 13.3     | 13.3 | ----- |
| Sepsis.....                                | 41              | 39.0                | 27.9 | ----- | 39.0    | 35.4 | ----- | 43.9     | 39.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 44              | 2.3                 | 2.9  | ----- | 2.3     | 3.8  | ----- | 2.3      | 4.8  | ----- |
| Coronary Artery Bypass Graft.....          | 72              | 6.9                 | 5.6  | 3.0   | 9.7     | 7.7  | 3.6   | 9.7      | 8.6  | 3.8   |
| Initial Pacemaker Insertion.....           | 15              | 6.7                 | 2.6  | ----- | 6.7     | 5.1  | ----- | 6.7      | 7.3  | ----- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 1.8  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.1  | ----- |
| Hip Replacement/Reconstruction.....        | 43              | 2.3                 | 3.1  | ----- | 4.7     | 5.8  | ----- | 7.0      | 7.9  | ----- |
| Open Reduction of Hip Fracture.....        | 22              | 0.0                 | 5.2  | ----- | 0.0     | 9.5  | ----- | 4.5      | 12.4 | ----- |
| Prostatectomy.....                         | 50              | 2.0                 | 0.8  | ----- | 6.0     | 1.8  | ----- | 10.0     | 3.2  | ----- |
| Cholecystectomy.....                       | 36              | 0.0                 | 3.6  | ----- | 11.1    | 6.9  | ----- | 11.1     | 9.4  | ----- |
| Hysterectomy.....                          | 19              | 0.0                 | 0.6  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# UNIVERSITY OF CINCINNATI MEDICAL CENTER

Medicare Provider Number: 360003

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 68.0 years  
Proportion female..... 53.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.3 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 23.8 %  
Admitted for emergency..... 56.0 %

### COMORBIDITIES:

Cancer..... 9.3 %  
Chronic cardiovascular disease..... 24.8 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 8.2 %  
Chronic pulmonary disease..... 9.2 %  
Cerebrovascular degeneration..... 6.2 %  
Diabetes mellitus..... 9.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.9%  
State ..... 14.5%  
Outside State ..... 11.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.2 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 636  
Occupancy Rate ..... 76.0 %  
Ownership/Control..... State Government  
Medicare Discharges ..... 26.7 %  
Case Mix Index (CMI) ..... 1.4175

### STAFFING:

Total Number of Physicians..... 771  
Percent of Physicians Board  
Certified Specialists ..... 74.6 %  
Medical Residents/Interns ..... 316  
Registered Nurses..... 882  
Licensed Practical Nurses..... 118

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# US AIR FORCE HOSPITAL

WRIGHT-PATTERSON AFB  
DAYTON, OH 45433  
Medicare Provider Number: 36006F

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2                  | 50.0                | 28.1 | ----- | 50.0    | 35.6 | ----- | 50.0     | 38.9 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

**US AIR FORCE HOSPITAL**  
Medicare Provider Number: 36006F

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 70.0 years  
Proportion female..... 0.0 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

**COMORBIDITIES:**

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 0.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 25.0%  
State ..... 50.0%  
Outside State ..... 25.0%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.5 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year Unknown

**PROFILE:**

Total Beds ..... 350  
Ownership/Control..... (Not Available)  
Case Mix Index (CMI) ..... 0.0000

**STAFFING:**

Medical Residents/Interns ..... 0  
Registered Nurses..... 0  
Licensed Practical Nurses..... 0

**SPECIALTY SERVICES:**

Burn Unit ..... Yes  
Coronary Care Unit ..... Yes  
Hospice Care ..... Yes  
Intensive Care Unit ..... Yes  
Organ Transplant ..... Yes  
Trauma Center ..... Yes

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... N/A

\*\* Except for CMI

\* Not used in calculating mortality rates

# VAN WERT COUNTY HOSPITAL

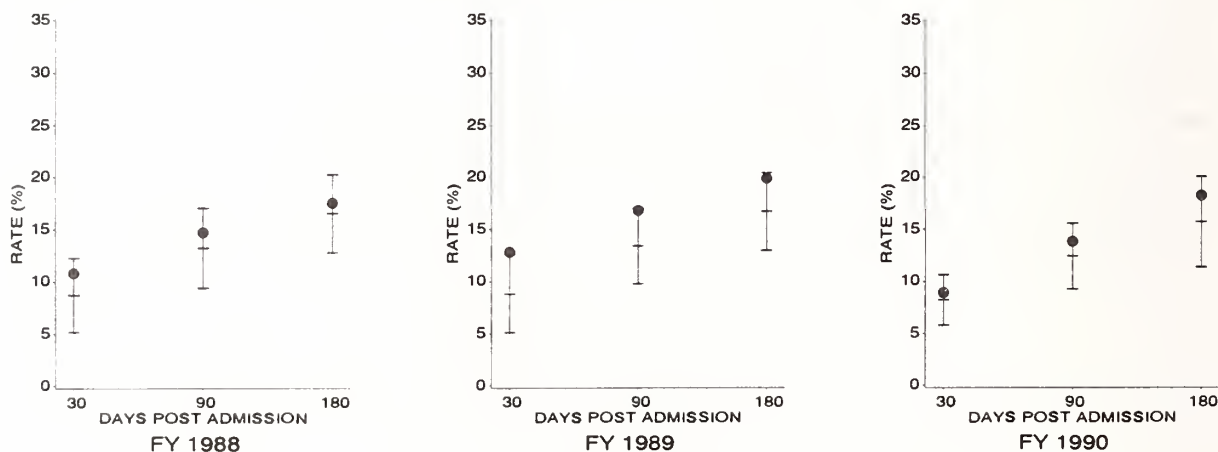
1250 S WASHINGTON STREET  
VAN WERT, OH 45891  
Medicare Provider Number: 360071

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 666             | 8.9                 | 8.2  | 1.2   | 13.8    | 12.4 | 1.6   | 18.2     | 15.7 | 2.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 24              | 25.0                | 27.9 | ----- | 29.2    | 31.3 | ----- | 37.5     | 34.5 | ----- |
| Congestive Heart Failure.....              | 41              | 4.9                 | 13.0 | ----- | 17.1    | 20.7 | ----- | 24.4     | 26.8 | ----- |
| Pneumonia/Influenza.....                   | 55              | 14.5                | 14.4 | 4.7   | 21.8    | 19.8 | 6.5   | 27.3     | 23.3 | 7.0   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 11.8                | 5.5  | ----- | 11.8    | 9.8  | ----- | 11.8     | 13.8 | ----- |
| Transient Cerebral Ischemia.....           | 10              | 10.0                | 1.3  | ----- | 20.0    | 3.0  | ----- | 20.0     | 5.1  | ----- |
| Stroke.....                                | 26              | 23.1                | 17.0 | ----- | 30.8    | 22.1 | ----- | 30.8     | 25.6 | ----- |
| Hip Fracture.....                          | 22              | 9.1                 | 6.5  | ----- | 9.1     | 11.3 | ----- | 13.6     | 14.4 | ----- |
| Sepsis.....                                | 9               | 0.0                 | 20.3 | ----- | 11.1    | 28.8 | ----- | 11.1     | 33.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 4.5  | ----- | 0.0     | 7.5  | ----- | 0.0      | 10.2 | ----- |
| Carotid Endarterectomy.....                | 2               | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.1  | ----- |
| Hip Replacement/Reconstruction.....        | 11              | 18.2                | 3.7  | ----- | 18.2    | 6.8  | ----- | 18.2     | 9.1  | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 6.3                 | 5.2  | ----- | 6.3     | 9.3  | ----- | 6.3      | 12.2 | ----- |
| Prostatectomy.....                         | 5               | 0.0                 | 0.9  | ----- | 20.0    | 2.5  | ----- | 20.0     | 4.5  | ----- |
| Cholecystectomy.....                       | 15              | 6.7                 | 2.8  | ----- | 6.7     | 4.7  | ----- | 6.7      | 5.9  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# VAN WERT COUNTY HOSPITAL

Medicare Provider Number: 360071

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years  
Proportion female..... 59.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.0 %  
Transferred from skilled nursing facility..... 1.1 %  
Admitted for elective procedure..... 10.4 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 34.2 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 11.4 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 70.2%  
State ..... 26.8%  
Outside State ..... 3.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 100  
Occupancy Rate ..... 29.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 43.1 %  
Case Mix Index (CMI) ..... 1.1770

### STAFFING:

Total Number of Physicians..... 37  
Percent of Physicians Board  
Certified Specialists..... 73.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 61  
Licensed Practical Nurses ..... 2

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# VETERANS MEMORIAL HOSPITAL

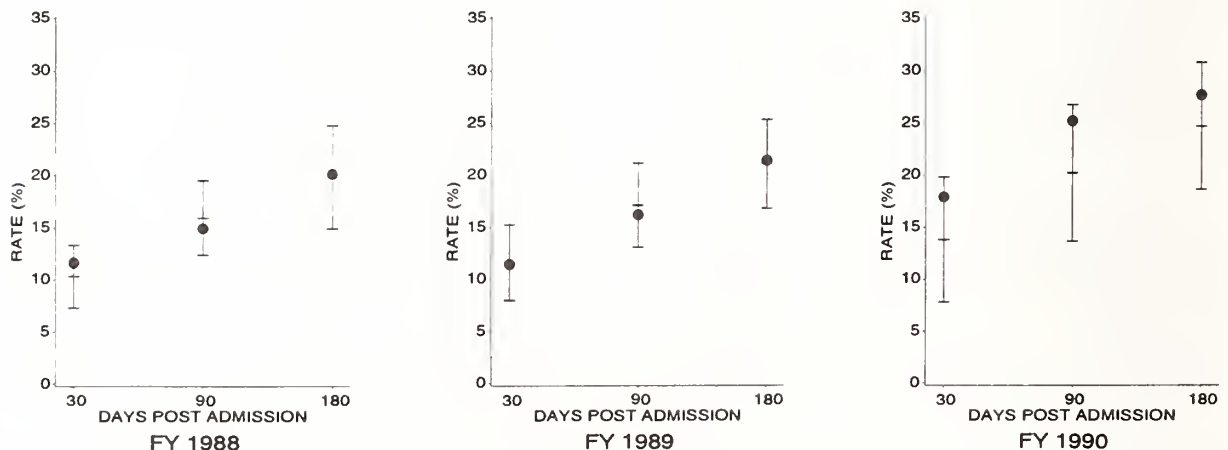
MULBERRY HGTS  
POMEROY, OH 45769  
Medicare Provider Number: 360200

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 318             | 17.9                | 13.8 | 3.0  | 25.2    | 20.2 | 3.3  | 27.7     | 24.7 | 3.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 16              | 37.5                | 33.7 | ---- | 43.8    | 36.5 | ---- | 43.8     | 39.8 | ---- |
| Congestive Heart Failure.....              | 30              | 30.0                | 19.2 | ---- | 46.7    | 30.0 | ---- | 56.7     | 36.4 | ---- |
| Pneumonia/Influenza.....                   | 34              | 26.5                | 18.6 | ---- | 32.4    | 25.3 | ---- | 35.3     | 29.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 15              | 13.3                | 8.9  | ---- | 33.3    | 15.9 | ---- | 33.3     | 21.2 | ---- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 7.1  | ---- | 0.0     | 15.5 | ---- | 0.0      | 23.7 | ---- |
| Stroke.....                                | 13              | 15.4                | 25.5 | ---- | 38.5    | 33.6 | ---- | 61.5     | 38.2 | ---- |
| Hip Fracture.....                          | 18              | 5.6                 | 6.3  | ---- | 5.6     | 11.3 | ---- | 5.6      | 15.0 | ---- |
| Sepsis.....                                | 12              | 41.7                | 28.9 | ---- | 41.7    | 37.0 | ---- | 41.7     | 41.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7               | 14.3                | 6.3  | ---- | 14.3    | 11.5 | ---- | 14.3     | 15.5 | ---- |
| Open Reduction of Hip Fracture.....        | 11              | 0.0                 | 5.7  | ---- | 0.0     | 10.8 | ---- | 0.0      | 14.7 | ---- |
| Prostatectomy.....                         | 6               | 0.0                 | 1.7  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.7  | ---- |
| Cholecystectomy.....                       | 4               | 0.0                 | 1.4  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.2  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# VETERANS MEMORIAL HOSPITAL

Medicare Provider Number: 360200

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.1 years  
Proportion female..... 61.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 18.6 %  
Transferred from skilled nursing facility..... 14.2 %  
Admitted for elective procedure..... 10.1 %  
Admitted for emergency..... 79.6 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 34.0 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 19.5 %  
Cerebrovascular degeneration..... 10.1 %  
Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.0%  
State ..... 7.2%  
Outside State ..... 4.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 69  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 59.2 %  
Case Mix Index (CMI) ..... 1.1918

### STAFFING:

Total Number of Physicians..... 10  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses ..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WADSWORTH RITTMAN HOSPITAL

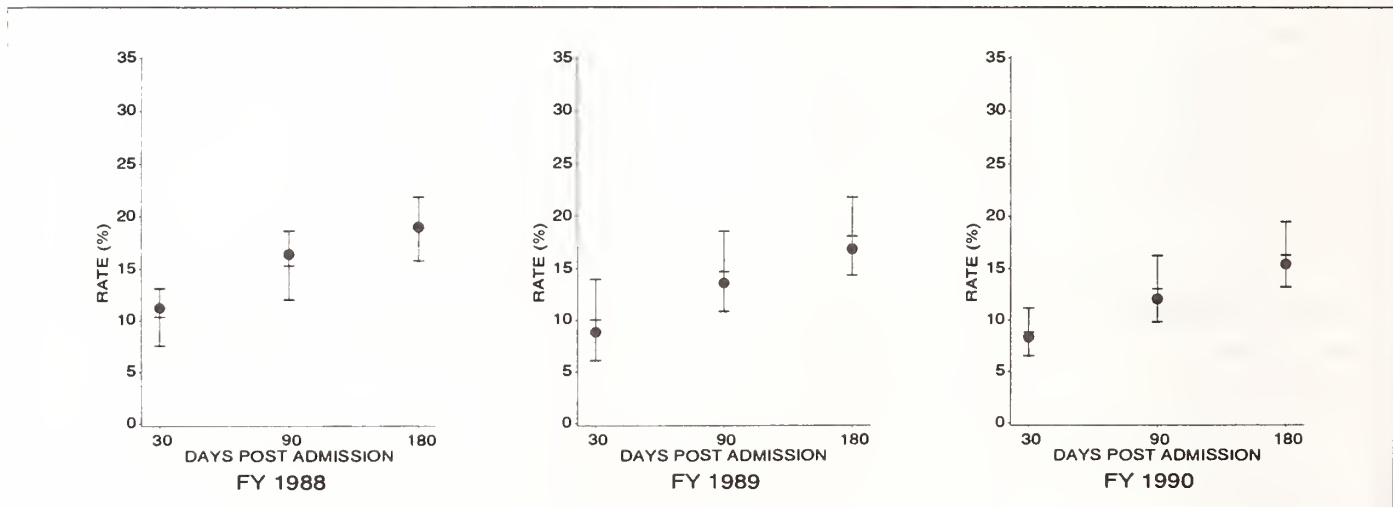
195 WADSWORTH ROAD  
WADSWORTH, OH 44281  
Medicare Provider Number: 360195

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 676                | 8.3                 | 8.8  | 1.2   | 12.0    | 13.0 | 1.6   | 15.4     | 16.3 | 1.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 25                 | 20.0                | 28.1 | ----- | 20.0    | 32.0 | ----- | 28.0     | 35.2 | ----- |
| Congestive Heart Failure.....              | 42                 | 11.9                | 14.2 | ----- | 16.7    | 21.2 | ----- | 19.0     | 26.8 | ----- |
| Pneumonia/Influenza.....                   | 38                 | 18.4                | 17.6 | ----- | 31.6    | 23.5 | ----- | 36.8     | 27.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11                 | 9.1                 | 9.8  | ----- | 9.1     | 17.1 | ----- | 27.3     | 22.1 | ----- |
| Transient Cerebral Ischemia.....           | 14                 | 0.0                 | 1.7  | ----- | 0.0     | 3.7  | ----- | 0.0      | 6.0  | ----- |
| Stroke.....                                | 27                 | 14.8                | 18.6 | ----- | 22.2    | 24.9 | ----- | 22.2     | 28.6 | ----- |
| Hip Fracture.....                          | 27                 | 3.7                 | 6.2  | ----- | 3.7     | 10.9 | ----- | 7.4      | 14.3 | ----- |
| Sepsis.....                                | 4                  | 25.0                | 24.2 | ----- | 25.0    | 28.1 | ----- | 25.0     | 32.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 25                 | 4.0                 | 4.1  | ----- | 4.0     | 6.8  | ----- | 8.0      | 8.8  | ----- |
| Open Reduction of Hip Fracture.....        | 13                 | 0.0                 | 6.5  | ----- | 0.0     | 11.7 | ----- | 0.0      | 15.5 | ----- |
| Prostatectomy.....                         | 14                 | 0.0                 | 1.0  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.9  | ----- |
| Cholecystectomy.....                       | 27                 | 3.7                 | 2.8  | ----- | 3.7     | 5.5  | ----- | 3.7      | 7.8  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WADSWORTH RITTMAN HOSPITAL

Medicare Provider Number: 360195

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.9 years |
| Proportion female.....        | 58.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 38.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 6.5 %  |
| Admitted for emergency.....                    | 76.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.2 %  |
| Chronic cardiovascular disease..... | 39.9 % |
| Chronic liver disease.....          | 1.6 %  |
| Chronic renal disease.....          | 1.0 %  |
| Chronic pulmonary disease.....      | 9.6 %  |
| Cerebrovascular degeneration.....   | 3.5 %  |
| Diabetes mellitus.....              | 7.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 62.0%  |
| State.....          | 36.1%  |
| Outside State ..... | 1.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.4 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 80                  |
| Occupancy Rate .....       | 36.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 43.8 %              |
| Case Mix Index (CMI) ..... | 1.1597              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 28     |
| Percent of Physicians Board<br>Certified Specialists ..... | 85.7 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 65     |
| Licensed Practical Nurses .....                            | 24     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# WARREN GENERAL HOSPITAL

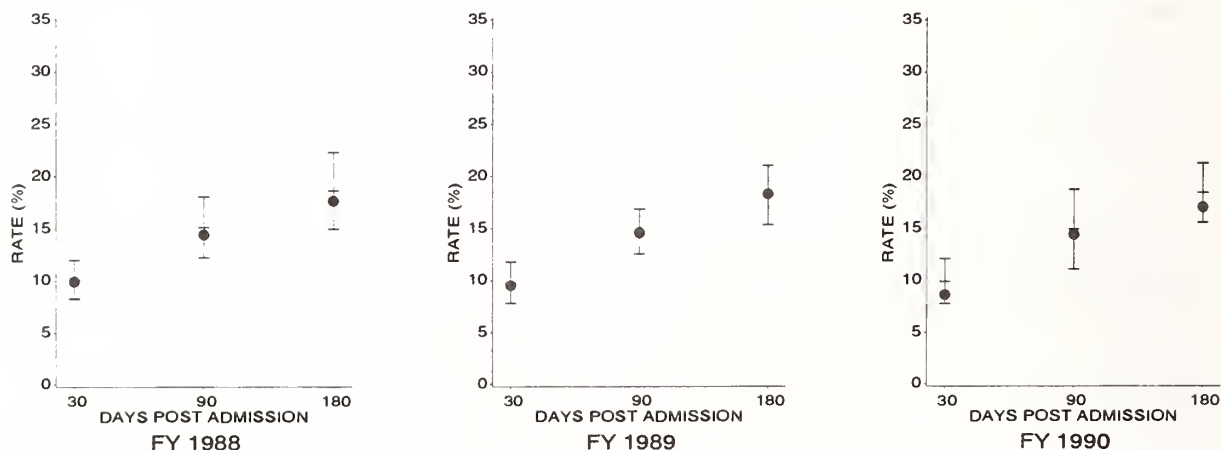
667 EASTLAND AVE SE  
WARREN, OH 44481  
Medicare Provider Number: 360161

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1179            | 8.6                 | 9.9  | 1.1   | 14.4    | 14.9 | 1.9   | 17.0     | 18.4 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 31              | 16.1                | 27.0 | ----- | 22.6    | 30.4 | ----- | 22.6     | 33.2 | ----- |
| Congestive Heart Failure.....              | 84              | 16.7                | 14.1 | 4.4   | 34.5    | 22.8 | 8.5   | 38.1     | 29.0 | 7.5   |
| Pneumonia/Influenza.....                   | 68              | 13.2                | 14.2 | 4.5   | 16.2    | 19.8 | 6.2   | 22.1     | 23.6 | 6.3   |
| Chronic Obstructive Pulmonary Disease..... | 18              | 0.0                 | 10.3 | ----- | 5.6     | 17.8 | ----- | 16.7     | 22.7 | ----- |
| Transient Cerebral Ischemia.....           | 37              | 0.0                 | 1.7  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.1  | ----- |
| Stroke.....                                | 52              | 11.5                | 18.5 | 10.5  | 17.3    | 25.1 | 12.1  | 23.1     | 29.1 | 11.2  |
| Hip Fracture.....                          | 31              | 3.2                 | 6.1  | ----- | 6.5     | 10.1 | ----- | 6.5      | 13.1 | ----- |
| Sepsis.....                                | 12              | 33.3                | 27.3 | ----- | 41.7    | 34.8 | ----- | 41.7     | 38.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8               | 0.0                 | 4.1  | ----- | 12.5    | 7.2  | ----- | 12.5     | 9.9  | ----- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 2.1  | ----- | 33.3    | 3.5  | ----- | 33.3     | 4.6  | ----- |
| Hip Replacement/Reconstruction.....        | 19              | 5.3                 | 3.2  | ----- | 5.3     | 5.5  | ----- | 5.3      | 7.3  | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 0.0                 | 6.0  | ----- | 7.1     | 10.2 | ----- | 7.1      | 13.3 | ----- |
| Prostatectomy.....                         | 32              | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.4  | ----- |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.0  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.4  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WARREN GENERAL HOSPITAL

Medicare Provider Number: 360161

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.6 years  
Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 9.5 %  
Admitted for emergency..... 51.1 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 37.7 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 20.5 %  
Cerebrovascular degeneration..... 2.9 %  
Diabetes mellitus..... 12.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.4%  
State ..... 22.5%  
Outside State ..... 4.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 134  
Occupancy Rate ..... 64.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 26.7 %  
Case Mix Index (CMI) ..... 1.2472

### STAFFING:

Total Number of Physicians..... 74  
Percent of Physicians Board  
Certified Specialists ..... 48.6 %  
Medical Residents/Interns ..... 18  
Registered Nurses ..... 164  
Licensed Practical Nurses ..... 68

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

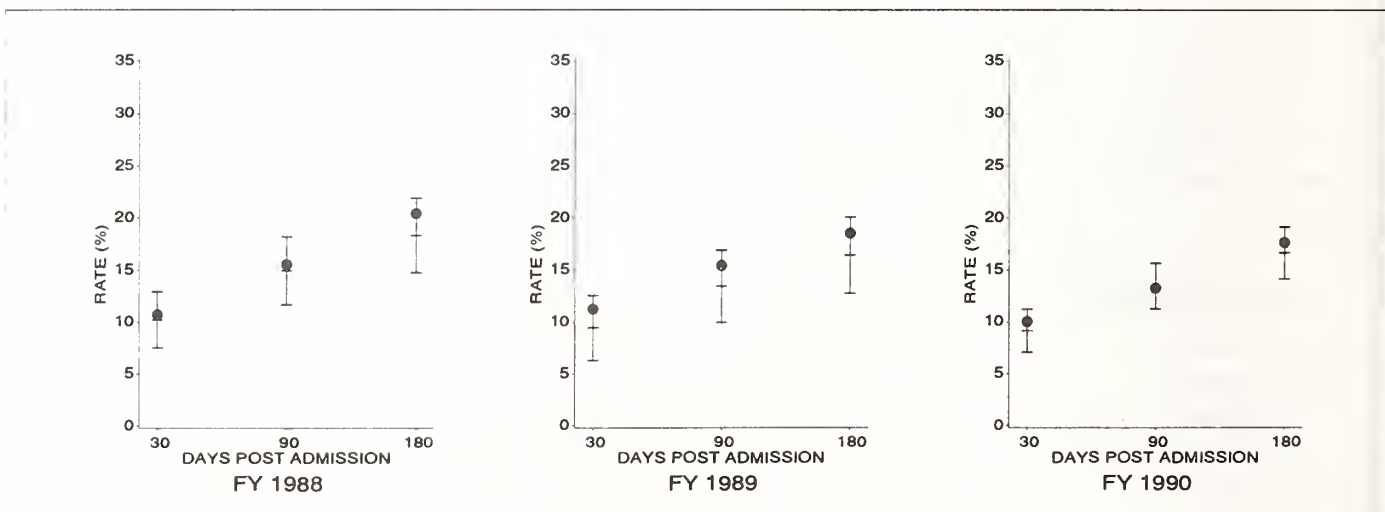
**WAYNE HOSPITAL**  
835 SWEITZER ST  
GREENVILLE, OH 45331  
Medicare Provider Number: 360044

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1014               | 10.0                | 9.1  | 1.0  | 13.2    | 13.4 | 1.1  | 17.6     | 16.6 | 1.3  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 52                 | 42.3                | 28.7 | 9.7  | 46.2    | 32.1 | 10.4 | 51.9     | 34.7 | 11.4 |
| Congestive Heart Failure.....              | 59                 | 18.6                | 15.0 | 5.4  | 22.0    | 23.5 | 5.7  | 33.9     | 29.5 | 7.1  |
| Pneumonia/Influenza.....                   | 61                 | 11.5                | 16.5 | 6.6  | 14.8    | 22.5 | 7.9  | 24.6     | 26.4 | 6.6  |
| Chronic Obstructive Pulmonary Disease..... | 24                 | 8.3                 | 9.2  | ---- | 8.3     | 15.1 | ---- | 12.5     | 19.9 | ---- |
| Transient Cerebral Ischemia.....           | 27                 | 3.7                 | 1.7  | ---- | 3.7     | 4.0  | ---- | 3.7      | 6.7  | ---- |
| Stroke.....                                | 33                 | 27.3                | 20.2 | ---- | 27.3    | 26.1 | ---- | 33.3     | 29.8 | ---- |
| Hip Fracture.....                          | 39                 | 0.0                 | 6.7  | ---- | 2.6     | 11.9 | ---- | 10.3     | 15.4 | ---- |
| Sepsis.....                                | 8                  | 25.0                | 25.3 | ---- | 50.0    | 33.0 | ---- | 50.0     | 38.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 17                 | 5.9                 | 5.9  | ---- | 11.8    | 10.6 | ---- | 11.8     | 13.6 | ---- |
| Open Reduction of Hip Fracture.....        | 21                 | 0.0                 | 6.3  | ---- | 0.0     | 11.5 | ---- | 14.3     | 15.3 | ---- |
| Prostatectomy.....                         | 39                 | 0.0                 | 0.6  | ---- | 0.0     | 1.4  | ---- | 2.6      | 2.5  | ---- |
| Cholecystectomy.....                       | 31                 | 3.2                 | 1.5  | ---- | 3.2     | 2.5  | ---- | 3.2      | 3.2  | ---- |
| Hysterectomy.....                          | 11                 | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**WAYNE HOSPITAL**  
Medicare Provider Number: 360044

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 76.7 years | Cancer.....                         | 4.6 %  |
| Proportion female.....                         | 60.0 %     | Chronic cardiovascular disease..... | 35.7 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.3 %  |
| Referred by personal or HMO physician.....     | 32.2 %     | Chronic renal disease.....          | 3.1 %  |
| Transferred from skilled nursing facility..... | 0.1 %      | Chronic pulmonary disease.....      | 12.4 % |
| Admitted for elective procedure.....           | 18.9 %     | Cerebrovascular degeneration.....   | 2.4 %  |
| Admitted for emergency.....                    | 66.6 %     | Diabetes mellitus.....              | 7.0 %  |

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 90.0%  | Hospital .....                          | 6.0 Days |
| State .....                                  | 7.3%   | State .....                             | 8.3 Days |
| Outside State .....                          | 2.7%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

**HOSPITAL CHARACTERISTICS\***

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1989 |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 92                  | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 44.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, Non-Profit | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 45.6 %              | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.0673              | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 33                  | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 87.9 %              | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 63                  | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 3                   | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | No  |
|                                                                    |                     | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# WELLINGTON COMMUNITY HOSPITAL

510 DICKSON STREET  
WELLINGTON, OH 44090  
Medicare Provider Number: 360168

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 20                 | 5.0                 | 3.6  | ---- | 5.0     | 6.8  | ---- | 5.0      | 9.0  | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 0                  |                     |      |      |         |      |      |          |      |      |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 1                  | 0.0                 | 4.6  | ---- | 0.0     | 8.7  | ---- | 0.0      | 10.9 | ---- |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 1                  | 0.0                 | 3.4  | ---- | 0.0     | 6.8  | ---- | 0.0      | 9.0  | ---- |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 1                  | 0.0                 | 1.0  | ---- | 0.0     | 1.4  | ---- | 0.0      | 1.6  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# WELLINGTON COMMUNITY HOSPITAL

Medicare Provider Number: 360168

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.1 years  
Proportion female..... 80.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 75.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 65.0 %  
Admitted for emergency..... 25.0 %

### COMORBIDITIES:

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 10.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 0.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 68.7%  
State ..... 25.0%  
Outside State ..... 6.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.0 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 30  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 0.8680

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WILSON MEMORIAL HOSPITAL

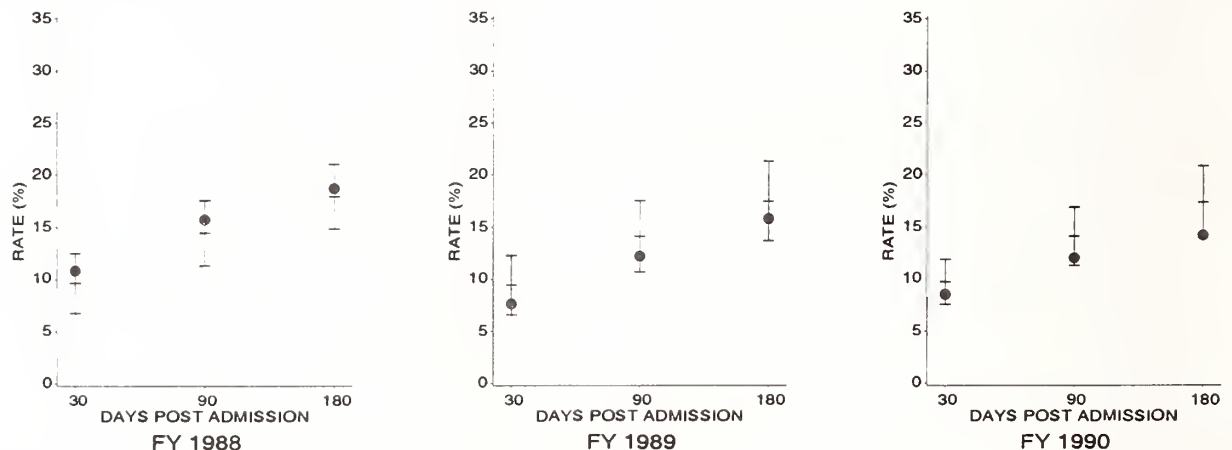
915 W MICHIGAN ST  
SIDNEY, OH 45365  
Medicare Provider Number: 360013

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 866                | 8.5                 | 9.7  | 1.1   | 12.0    | 14.1 | 1.4   | 14.2     | 17.4 | 1.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 29                 | 34.5                | 24.4 | ----- | 34.5    | 27.5 | ----- | 34.5     | 30.1 | ----- |
| Congestive Heart Failure.....              | 55                 | 10.9                | 14.8 | 7.3   | 20.0    | 23.4 | 11.7  | 25.5     | 29.6 | 9.6   |
| Pneumonia/Influenza.....                   | 64                 | 9.4                 | 15.3 | 6.4   | 14.1    | 20.8 | 7.3   | 15.6     | 24.5 | 8.3   |
| Chronic Obstructive Pulmonary Disease..... | 15                 | 13.3                | 6.8  | ----- | 13.3    | 11.7 | ----- | 13.3     | 15.7 | ----- |
| Transient Cerebral Ischemia.....           | 20                 | 0.0                 | 1.7  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.5  | ----- |
| Stroke.....                                | 42                 | 21.4                | 19.5 | ----- | 21.4    | 24.9 | ----- | 23.8     | 28.2 | ----- |
| Hip Fracture.....                          | 2                  | 0.0                 | 5.7  | ----- | 50.0    | 12.0 | ----- | 50.0     | 16.2 | ----- |
| Sepsis.....                                | 16                 | 6.3                 | 30.3 | ----- | 12.5    | 37.6 | ----- | 18.8     | 42.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4                  | 25.0                | 1.1  | ----- | 25.0    | 2.5  | ----- | 25.0     | 3.8  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1                  | 0.0                 | 2.1  | ----- | 0.0     | 4.4  | ----- | 0.0      | 6.0  | ----- |
| Open Reduction of Hip Fracture.....        | 1                  | 0.0                 | 8.2  | ----- | 100.0   | 17.6 | ----- | 100.0    | 24.5 | ----- |
| Prostatectomy.....                         | 19                 | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.1  | ----- |
| Cholecystectomy.....                       | 19                 | 5.3                 | 2.0  | ----- | 5.3     | 3.6  | ----- | 5.3      | 4.9  | ----- |
| Hysterectomy.....                          | 6                  | 0.0                 | 2.1  | ----- | 0.0     | 4.0  | ----- | 0.0      | 5.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WILSON MEMORIAL HOSPITAL

Medicare Provider Number: 360013

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years

Proportion female..... 56.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.6 %

Transferred from skilled nursing facility..... 1.2 %

Admitted for elective procedure..... 8.8 %

Admitted for emergency..... 66.9 %

### COMORBIDITIES:

Cancer..... 4.5 %

Chronic cardiovascular disease..... 38.8 %

Chronic liver disease..... 0.3 %

Chronic renal disease..... 2.3 %

Chronic pulmonary disease..... 17.2 %

Cerebrovascular degeneration..... 2.9 %

Diabetes mellitus..... 4.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.7%

State ..... 12.2%

Outside State ..... 2.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 106

Occupancy Rate ..... 45.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 40.3 %

Case Mix Index (CMI) ..... 1.0685

### STAFFING:

Total Number of Physicians..... 41

Percent of Physicians Board  
Certified Specialists ..... 70.7 %

Medical Residents/Interns ..... 0

Registered Nurses..... 78

Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... Yes

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WOOD COUNTY HOSPITAL

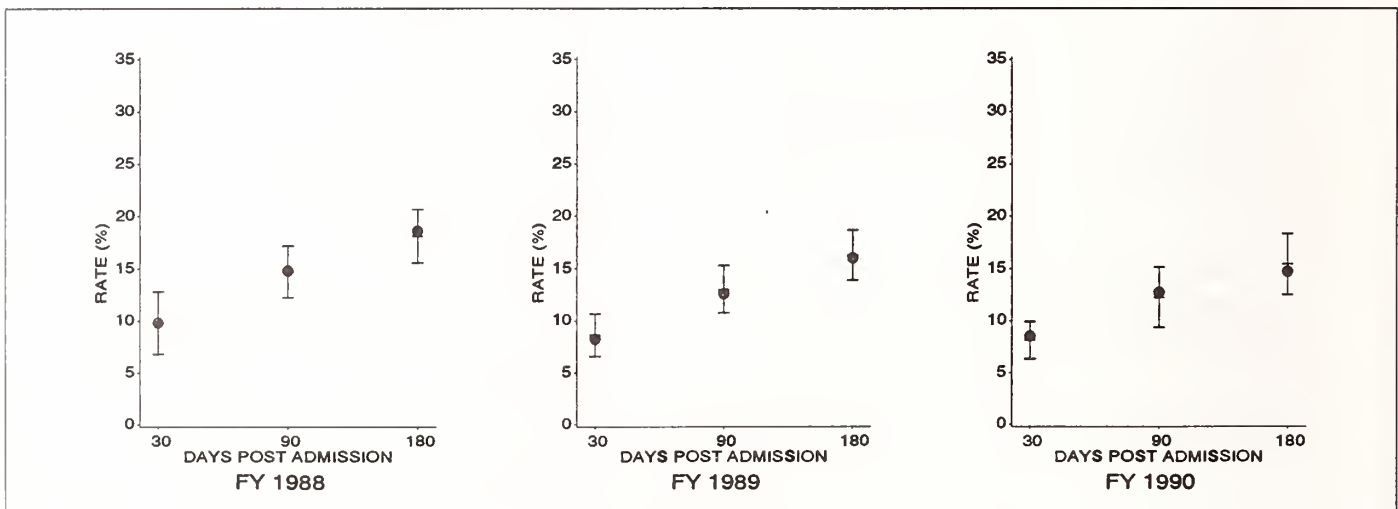
950 W WOOSTER ST  
BOWLING GREEN, OH 43402  
Medicare Provider Number: 360029

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1049            | 8.5                 | 8.1  | 0.9  | 12.7    | 12.2 | 1.4  | 14.7     | 15.4 | 1.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 31              | 32.3                | 31.4 | ---- | 38.7    | 34.3 | ---- | 38.7     | 37.0 | ---- |
| Congestive Heart Failure.....              | 60              | 16.7                | 15.8 | 4.8  | 25.0    | 24.2 | 7.5  | 31.7     | 30.1 | 7.6  |
| Pneumonia/Influenza.....                   | 69              | 20.3                | 17.9 | 6.3  | 30.4    | 24.3 | 7.5  | 30.4     | 28.6 | 9.3  |
| Chronic Obstructive Pulmonary Disease..... | 22              | 9.1                 | 9.0  | ---- | 13.6    | 15.5 | ---- | 18.2     | 20.7 | ---- |
| Transient Cerebral Ischemia.....           | 22              | 4.5                 | 1.6  | ---- | 4.5     | 3.6  | ---- | 4.5      | 6.0  | ---- |
| Stroke.....                                | 34              | 20.6                | 18.1 | ---- | 23.5    | 24.0 | ---- | 23.5     | 27.8 | ---- |
| Hip Fracture.....                          | 25              | 4.0                 | 6.4  | ---- | 16.0    | 11.4 | ---- | 20.0     | 15.1 | ---- |
| Sepsis.....                                | 2               | 50.0                | 40.9 | ---- | 50.0    | 48.3 | ---- | 50.0     | 52.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 14              | 7.1                 | 3.2  | ---- | 7.1     | 6.9  | ---- | 14.3     | 10.2 | ---- |
| Carotid Endarterectomy.....                | 2               | 0.0                 | 1.1  | ---- | 0.0     | 2.2  | ---- | 0.0      | 3.2  | ---- |
| Hip Replacement/Reconstruction.....        | 11              | 9.1                 | 2.0  | ---- | 18.2    | 4.0  | ---- | 18.2     | 5.6  | ---- |
| Open Reduction of Hip Fracture.....        | 17              | 0.0                 | 5.2  | ---- | 11.8    | 10.1 | ---- | 11.8     | 13.8 | ---- |
| Prostatectomy.....                         | 38              | 0.0                 | 1.2  | ---- | 0.0     | 2.8  | ---- | 2.6      | 4.8  | ---- |
| Cholecystectomy.....                       | 24              | 0.0                 | 1.1  | ---- | 0.0     | 2.0  | ---- | 0.0      | 2.7  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WOOD COUNTY HOSPITAL

Medicare Provider Number: 360029

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 58.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.4 %  
Transferred from skilled nursing facility..... 3.8 %  
Admitted for elective procedure..... 12.7 %  
Admitted for emergency..... 8.6 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 39.4 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 11.8 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.6%  
State ..... 16.1%  
Outside State ..... 1.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 124  
Occupancy Rate ..... 53.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.3 %  
Case Mix Index (CMI) ..... 1.0680

### STAFFING:

Total Number of Physicians..... 45  
Percent of Physicians Board  
Certified Specialists ..... 68.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses ..... 92  
Licensed Practical Nurses ..... 50

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WOOSTER COMMUNITY HOSPITAL

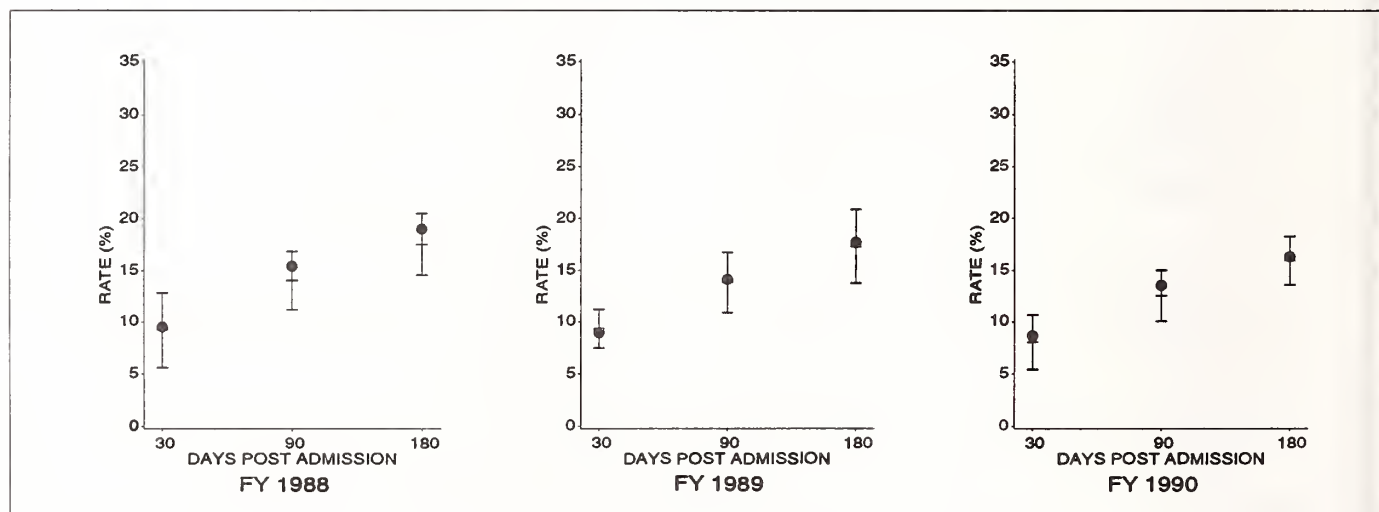
1761 BEALL AVE  
WOOSTER, OH 44691  
Medicare Provider Number: 360036

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1309            | 8.6                 | 8.0  | 1.3  | 13.5    | 12.5 | 1.2  | 16.3     | 15.9 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 50              | 24.0                | 21.5 | ---- | 24.0    | 24.4 | ---- | 24.0     | 26.9 | ---- |
| Congestive Heart Failure.....              | 66              | 15.2                | 15.1 | 4.8  | 21.2    | 24.1 | 7.1  | 27.3     | 30.6 | 7.2  |
| Pneumonia/Influenza.....                   | 65              | 9.2                 | 13.2 | 5.0  | 18.5    | 18.2 | 4.8  | 23.1     | 21.7 | 5.4  |
| Chronic Obstructive Pulmonary Disease..... | 16              | 6.3                 | 7.3  | ---- | 18.8    | 12.4 | ---- | 18.8     | 16.1 | ---- |
| Transient Cerebral Ischemia.....           | 22              | 4.5                 | 1.8  | ---- | 9.1     | 4.1  | ---- | 9.1      | 6.8  | ---- |
| Stroke.....                                | 37              | 21.6                | 22.6 | ---- | 29.7    | 28.6 | ---- | 32.4     | 32.4 | ---- |
| Hip Fracture.....                          | 42              | 9.5                 | 6.4  | ---- | 19.0    | 11.1 | ---- | 26.2     | 14.3 | ---- |
| Sepsis.....                                | 13              | 23.1                | 31.2 | ---- | 23.1    | 37.8 | ---- | 23.1     | 42.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 35              | 2.9                 | 3.1  | ---- | 2.9     | 5.6  | ---- | 11.4     | 7.4  | ---- |
| Open Reduction of Hip Fracture.....        | 20              | 10.0                | 6.4  | ---- | 30.0    | 11.4 | ---- | 30.0     | 15.1 | ---- |
| Prostatectomy.....                         | 50              | 2.0                 | 0.8  | ---- | 2.0     | 1.9  | ---- | 2.0      | 3.3  | ---- |
| Cholecystectomy.....                       | 32              | 3.1                 | 1.4  | ---- | 3.1     | 2.4  | ---- | 3.1      | 3.2  | ---- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WOOSTER COMMUNITY HOSPITAL

Medicare Provider Number: 360036

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.8 %  
Transferred from skilled nursing facility..... 1.0 %  
Admitted for elective procedure..... 20.6 %  
Admitted for emergency..... 51.4 %

### COMORBIDITIES:

Cancer..... 10.1 %  
Chronic cardiovascular disease..... 34.3 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 12.3 %  
Cerebrovascular degeneration..... 5.1 %  
Diabetes mellitus..... 4.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.4%  
State ..... 13.2%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 8.3 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 120  
Occupancy Rate ..... 52.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 37.8 %  
Case Mix Index (CMI) ..... 1.1596

### STAFFING:

Total Number of Physicians..... 61  
Percent of Physicians Board  
Certified Specialists..... 78.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 154  
Licensed Practical Nurses ..... 41

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WYANDOT MEMORIAL HOSPITAL

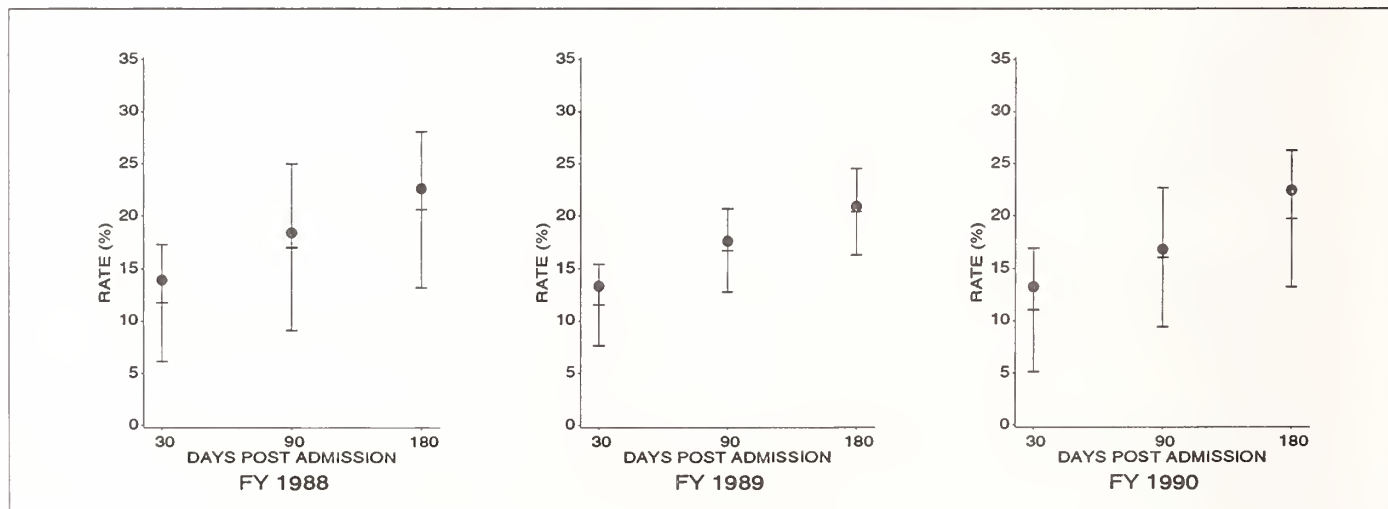
885 N SANDUSKY AVE  
UPPER SANDUSKY, OH 43351  
Medicare Provider Number: 360128

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 393             | 13.2                | 11.0 | 3.0  | 16.8    | 16.0 | 3.3  | 22.4     | 19.7 | 3.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 25              | 44.0                | 31.0 | ---- | 44.0    | 35.7 | ---- | 52.0     | 39.2 | ---- |
| Congestive Heart Failure.....              | 34              | 5.9                 | 16.1 | ---- | 8.8     | 24.8 | ---- | 17.6     | 30.9 | ---- |
| Pneumonia/Influenza.....                   | 34              | 14.7                | 18.0 | ---- | 20.6    | 24.5 | ---- | 23.5     | 29.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 5.2  | ---- | 20.0    | 9.8  | ---- | 40.0     | 14.8 | ---- |
| Transient Cerebral Ischemia.....           | 9               | 11.1                | 1.8  | ---- | 11.1    | 3.8  | ---- | 11.1     | 6.0  | ---- |
| Stroke.....                                | 16              | 18.8                | 22.4 | ---- | 18.8    | 29.9 | ---- | 18.8     | 34.1 | ---- |
| Hip Fracture.....                          | 14              | 7.1                 | 7.0  | ---- | 7.1     | 12.2 | ---- | 21.4     | 15.8 | ---- |
| Sepsis.....                                | 3               | 33.3                | 32.2 | ---- | 33.3    | 37.0 | ---- | 66.7     | 40.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 6               | 16.7                | 7.0  | ---- | 16.7    | 13.1 | ---- | 50.0     | 17.2 | ---- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 6.1  | ---- | 0.0     | 10.7 | ---- | 0.0      | 14.1 | ---- |
| Prostatectomy.....                         | 12              | 0.0                 | 0.8  | ---- | 0.0     | 1.9  | ---- | 0.0      | 3.2  | ---- |
| Cholecystectomy.....                       | 8               | 0.0                 | 0.9  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.0  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WYANDOT MEMORIAL HOSPITAL

Medicare Provider Number: 360128

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.9 years |
| Proportion female.....        | 65.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 36.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 4.8 %  |
| Admitted for emergency.....                    | 31.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 3.6 %  |
| Chronic cardiovascular disease..... | 37.2 % |
| Chronic liver disease.....          | 0.3 %  |
| Chronic renal disease.....          | 4.3 %  |
| Chronic pulmonary disease.....      | 11.5 % |
| Cerebrovascular degeneration.....   | 1.3 %  |
| Diabetes mellitus.....              | 13.7 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 80.0%  |
| State .....         | 16.7%  |
| Outside State ..... | 3.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.3 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 36                 |
| Occupancy Rate .....       | 44.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 45.4 %             |
| Case Mix Index (CMI) ..... | 1.0575             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 10     |
| Percent of Physicians Board<br>Certified Specialists ..... | 50.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 23     |
| Licensed Practical Nurses .....                            | 6      |

### SPECIALTY SERVICES:

|                                          |     |
|------------------------------------------|-----|
| Burn Unit .....                          | No  |
| Cardiac Intensive Care .....             | No  |
| Comprehensive Geriatric .....            | Yes |
| Hospice Care .....                       | No  |
| Medical/Surgical Intensive Care .....    | Yes |
| Organ/Tissue Transplant .....            | No  |
| Other Intensive Care .....               | No  |
| Trauma Center .....                      | No  |
| OTHER SPECIALTY/HOSPITAL-BASED SERVICES: |     |
| Alcohol/Drug .....                       | No  |
| Rehabilitation.....                      | No  |
| Psychiatric .....                        | No  |
| Medicare Swing Beds .....                | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# YOUNGSTOWN HOSPITAL ASSOCIATION

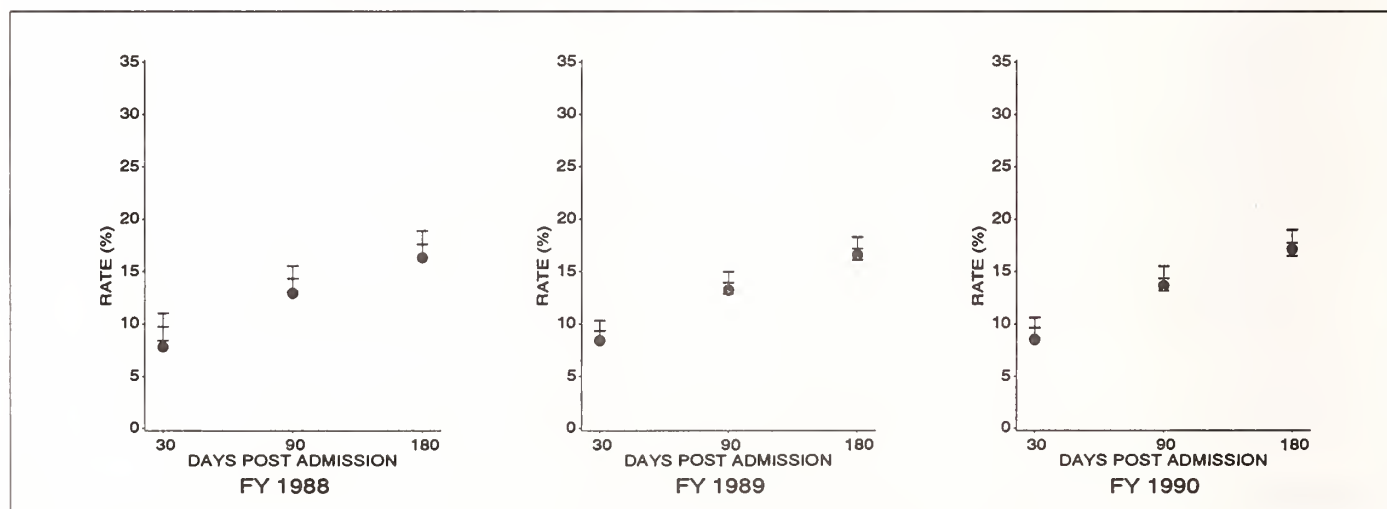
345 OAK HILL AVE  
YOUNGSTOWN, OH 44501  
Medicare Provider Number: 360141

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5374               | 8.5                 | 9.6  | 0.5   | 13.6    | 14.3 | 0.6   | 17.1     | 17.7 | 0.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 197                | 26.9                | 25.6 | 3.3   | 30.5    | 28.4 | 3.7   | 34.0     | 31.1 | 4.0   |
| Congestive Heart Failure.....              | 271                | 11.8                | 14.6 | 3.5   | 17.3    | 23.2 | 4.4   | 26.6     | 29.5 | 3.8   |
| Pneumonia/Influenza.....                   | 200                | 22.0                | 17.5 | 3.4   | 30.5    | 23.9 | 4.6   | 36.0     | 28.0 | 5.0   |
| Chronic Obstructive Pulmonary Disease..... | 102                | 8.8                 | 9.4  | 3.1   | 17.6    | 16.1 | 4.0   | 21.6     | 20.9 | 4.1   |
| Transient Cerebral Ischemia.....           | 82                 | 4.9                 | 1.7  | 3.4   | 8.5     | 3.8  | 5.2   | 9.8      | 6.1  | 5.0   |
| Stroke.....                                | 168                | 14.3                | 21.2 | 4.3   | 20.8    | 27.5 | 4.4   | 22.0     | 31.3 | 4.7   |
| Hip Fracture.....                          | 90                 | 8.9                 | 6.8  | 3.3   | 14.4    | 12.0 | 5.0   | 20.0     | 15.5 | 5.5   |
| Sepsis.....                                | 117                | 20.5                | 32.1 | 6.1   | 30.8    | 39.7 | 6.6   | 35.0     | 44.2 | 6.0   |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 44                 | 2.3                 | 3.5  | ----- | 4.5     | 4.4  | ----- | 4.5      | 5.4  | ----- |
| Coronary Artery Bypass Graft.....          | 90                 | 8.9                 | 6.6  | 4.6   | 13.3    | 8.7  | 5.1   | 13.3     | 9.5  | 5.0   |
| Initial Pacemaker Insertion.....           | 27                 | 0.0                 | 3.1  | ----- | 3.7     | 6.0  | ----- | 3.7      | 8.9  | ----- |
| Carotid Endarterectomy.....                | 27                 | 3.7                 | 1.2  | ----- | 3.7     | 2.2  | ----- | 3.7      | 3.4  | ----- |
| Hip Replacement/Reconstruction.....        | 57                 | 0.0                 | 2.8  | 3.4   | 1.8     | 5.2  | 4.3   | 5.3      | 7.1  | 3.7   |
| Open Reduction of Hip Fracture.....        | 39                 | 15.4                | 7.0  | ----- | 20.5    | 12.8 | ----- | 30.8     | 16.6 | ----- |
| Prostatectomy.....                         | 250                | 2.4                 | 1.0  | 1.0   | 2.8     | 2.3  | 1.0   | 3.2      | 3.9  | 1.3   |
| Cholecystectomy.....                       | 102                | 1.0                 | 3.9  | 2.8   | 4.9     | 6.5  | 3.3   | 6.9      | 8.3  | 3.4   |
| Hysterectomy.....                          | 37                 | 0.0                 | 1.2  | ----- | 2.7     | 2.5  | ----- | 2.7      | 3.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# YOUNGSTOWN HOSPITAL ASSOCIATION

Medicare Provider Number: 360141

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.5 years

Proportion female..... 54.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.6 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 18.1 %

Admitted for emergency..... 56.0 %

### COMORBIDITIES:

Cancer..... 9.0 %

Chronic cardiovascular disease..... 36.2 %

Chronic liver disease..... 1.0 %

Chronic renal disease..... 4.8 %

Chronic pulmonary disease..... 13.5 %

Cerebrovascular degeneration..... 3.4 %

Diabetes mellitus..... 9.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.7%

State ..... 18.3%

Outside State ..... 6.0%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.8 Days

State ..... 8.3 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 949

Ownership/Control..... Private, Non-Profit

Case Mix Index (CMI) ..... 1.3384

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 0

Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... No

Hospice Care ..... No

Intensive Care Unit ..... No

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# YOUNGSTOWN OSTEOPATHIC HOSPITAL

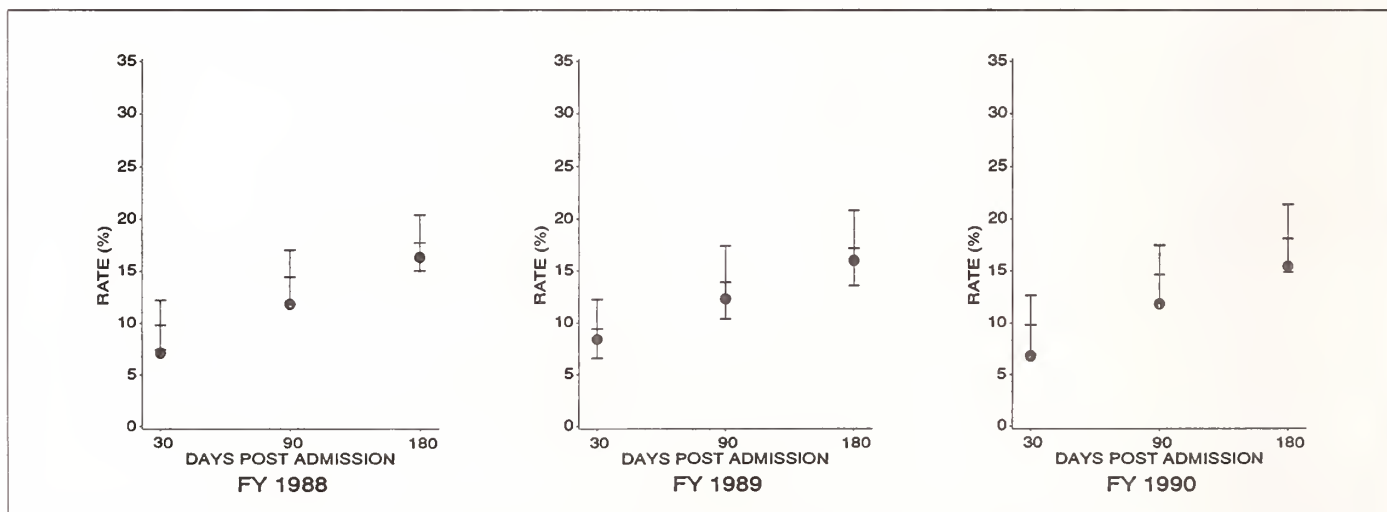
1319 FLORENCEDALE AVE  
YOUNGSTOWN, OH 44505  
Medicare Provider Number: 360126

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1123               | 6.8                 | 9.8  | 1.4   | 11.8    | 14.6 | 1.4   | 15.4     | 18.1 | 1.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 14                 | 21.4                | 28.5 | ----- | 21.4    | 31.1 | ----- | 21.4     | 33.4 | ----- |
| Congestive Heart Failure.....              | 67                 | 14.9                | 17.3 | 5.1   | 16.4    | 27.1 | 7.5   | 25.4     | 34.0 | 8.0   |
| Pneumonia/Influenza.....                   | 84                 | 13.1                | 20.1 | 7.4   | 25.0    | 26.9 | 6.5   | 29.8     | 31.2 | 6.8   |
| Chronic Obstructive Pulmonary Disease..... | 37                 | 5.4                 | 11.0 | ----- | 13.5    | 17.6 | ----- | 16.2     | 22.5 | ----- |
| Transient Cerebral Ischemia.....           | 27                 | 0.0                 | 2.5  | ----- | 3.7     | 5.5  | ----- | 7.4      | 8.6  | ----- |
| Stroke.....                                | 56                 | 14.3                | 21.4 | 8.6   | 26.8    | 28.4 | 11.9  | 26.8     | 32.2 | 12.4  |
| Hip Fracture.....                          | 19                 | 5.3                 | 6.8  | ----- | 10.5    | 11.5 | ----- | 10.5     | 14.5 | ----- |
| Sepsis.....                                | 18                 | 27.8                | 32.3 | ----- | 33.3    | 39.8 | ----- | 33.3     | 43.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 15                 | 0.0                 | 4.7  | ----- | 20.0    | 8.8  | ----- | 20.0     | 12.4 | ----- |
| Carotid Endarterectomy.....                | 4                  | 0.0                 | 1.6  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.2  | ----- |
| Hip Replacement/Reconstruction.....        | 14                 | 0.0                 | 3.4  | ----- | 0.0     | 5.9  | ----- | 0.0      | 7.8  | ----- |
| Open Reduction of Hip Fracture.....        | 8                  | 0.0                 | 6.0  | ----- | 0.0     | 10.1 | ----- | 0.0      | 12.8 | ----- |
| Prostatectomy.....                         | 32                 | 3.1                 | 1.4  | ----- | 3.1     | 2.8  | ----- | 3.1      | 4.5  | ----- |
| Cholecystectomy.....                       | 16                 | 0.0                 | 3.1  | ----- | 0.0     | 5.5  | ----- | 0.0      | 7.4  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# YOUNGSTOWN OSTEOPATHIC HOSPITAL

Medicare Provider Number: 360126

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.0 years |
| Proportion female.....        | 53.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 16.1 % |
| Transferred from skilled nursing facility..... | 8.5 %  |
| Admitted for elective procedure.....           | 13.9 % |
| Admitted for emergency.....                    | 81.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.4 %  |
| Chronic cardiovascular disease..... | 48.6 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 5.5 %  |
| Chronic pulmonary disease.....      | 16.2 % |
| Cerebrovascular degeneration.....   | 3.1 %  |
| Diabetes mellitus.....              | 12.2 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 75.7%  |
| State .....         | 19.4%  |
| Outside State ..... | 4.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.7 Days |
| State .....    | 8.3 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 175                 |
| Occupancy Rate .....       | 48.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 35.3 %              |
| Case Mix Index (CMI) ..... | 1.1652              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 80     |
| Percent of Physicians Board<br>Certified Specialists ..... | 41.3 % |
| Medical Residents/Interns .....                            | 22     |
| Registered Nurses.....                                     | 104    |
| Licensed Practical Nurses .....                            | 92     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# OHIO

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |     |         |      |     |          |      |     |
|--------------------------------------------|--------------------|---------------------|------|-----|---------|------|-----|----------|------|-----|
|                                            |                    | 30 DAYS             |      |     | 90 DAYS |      |     | 180 DAYS |      |     |
|                                            |                    | OBS                 | PRED | SD* | OBS     | PRED | SD* | OBS      | PRED | SD* |
| ALL CAUSES.....                            | 323,481            | 8.8                 | 9.0  | 0.1 | 13.5    | 13.7 | 0.1 | 16.9     | 17.1 | 0.1 |
| CONDITIONS:                                |                    |                     |      |     |         |      |     |          |      |     |
| Acute Myocardial Infarction.....           | 9,803              | 26.6                | 26.5 | 0.5 | 30.9    | 29.4 | 0.9 | 33.5     | 32.2 | 0.8 |
| Congestive Heart Failure.....              | 18,574             | 14.6                | 14.6 | 0.3 | 23.5    | 23.0 | 0.5 | 30.0     | 29.1 | 0.7 |
| Pneumonia/Influenza.....                   | 15,402             | 16.3                | 16.5 | 0.4 | 22.6    | 22.5 | 0.6 | 26.7     | 26.5 | 0.9 |
| Chronic Obstructive Pulmonary Disease..... | 6,385              | 8.5                 | 8.7  | 0.4 | 14.8    | 15.0 | 0.6 | 19.4     | 19.7 | 0.8 |
| Transient Cerebral Ischemia.....           | 5,627              | 1.8                 | 1.8  | 0.2 | 3.7     | 4.1  | 0.3 | 5.7      | 6.5  | 0.5 |
| Stroke.....                                | 11,210             | 18.8                | 20.4 | 0.5 | 25.7    | 26.8 | 0.5 | 29.4     | 30.6 | 0.6 |
| Hip Fracture.....                          | 7,307              | 7.0                 | 6.8  | 0.5 | 11.3    | 12.0 | 0.5 | 14.4     | 15.5 | 0.6 |
| Sepsis.....                                | 3,339              | 24.2                | 26.6 | 1.1 | 32.9    | 34.5 | 1.6 | 37.8     | 39.2 | 1.7 |
| PROCEDURES:                                |                    |                     |      |     |         |      |     |          |      |     |
| Angioplasty.....                           | 2,809              | 2.5                 | 2.9  | 0.3 | 3.5     | 3.8  | 0.4 | 4.1      | 4.7  | 0.5 |
| Coronary Artery Bypass Graft.....          | 4,089              | 6.2                 | 5.5  | 0.6 | 8.5     | 7.7  | 0.6 | 9.7      | 8.7  | 0.7 |
| Initial Pacemaker Insertion.....           | 2,475              | 3.6                 | 3.4  | 0.8 | 6.9     | 6.4  | 1.1 | 9.2      | 9.2  | 0.8 |
| Carotid Endarterectomy.....                | 1,981              | 1.6                 | 1.5  | 0.3 | 2.9     | 2.8  | 0.4 | 4.1      | 4.2  | 0.4 |
| Hip Replacement/Reconstruction.....        | 5,609              | 3.5                 | 3.2  | 0.3 | 5.6     | 6.0  | 0.4 | 7.6      | 8.0  | 0.5 |
| Open Reduction of Hip Fracture.....        | 3,252              | 6.3                 | 6.3  | 0.4 | 10.7    | 11.3 | 0.7 | 13.7     | 14.9 | 0.9 |
| Prostatectomy.....                         | 9,666              | 1.1                 | 1.0  | 0.1 | 2.5     | 2.3  | 0.2 | 4.0      | 3.9  | 0.2 |
| Cholecystectomy.....                       | 6,064              | 2.6                 | 2.7  | 0.3 | 4.9     | 5.0  | 0.5 | 6.5      | 6.7  | 0.6 |
| Hysterectomy.....                          | 2,483              | 0.3                 | 0.7  | 0.2 | 1.1     | 1.5  | 0.6 | 1.9      | 2.4  | 0.8 |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
| Average age at admission.....                  | 73.8 years | Cancer.....                         | 7.5 %  |
| Proportion female.....                         | 56.4 %     | Chronic cardiovascular disease..... | 39.2 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 0.9 %  |
| Referred by personal or HMO physician.....     | 41.8 %     | Chronic renal disease.....          | 3.4 %  |
| Transferred from skilled nursing facility..... | 2.4 %      | Chronic pulmonary disease.....      | 15.4 % |
| Admitted for elective procedure.....           | 21.2 %     | Cerebrovascular degeneration.....   | 3.9 %  |
| Admitted for emergency.....                    | 56.9 %     | Diabetes mellitus.....              | 8.4 %  |



# ALL STATES

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 6,542,299          | 9.0                 | 9.0  | ---- | 13.9    | 13.7 | ---- | 17.3     | 17.1 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 204,673            | 25.3                | 25.6 | ---- | 29.5    | 28.7 | ---- | 32.1     | 31.4 | ---- |
| Congestive Heart Failure.....              | 335,426            | 14.3                | 14.4 | ---- | 22.9    | 22.8 | ---- | 29.2     | 29.0 | ---- |
| Pneumonia/Influenza.....                   | 313,303            | 15.3                | 15.5 | ---- | 21.5    | 21.3 | ---- | 25.5     | 25.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 107,387            | 8.0                 | 8.0  | ---- | 14.1    | 14.0 | ---- | 18.7     | 18.5 | ---- |
| Transient Cerebral Ischemia.....           | 96,866             | 1.8                 | 1.8  | ---- | 4.0     | 4.0  | ---- | 6.4      | 6.5  | ---- |
| Stroke.....                                | 241,803            | 19.7                | 19.8 | ---- | 26.5    | 26.3 | ---- | 30.4     | 30.0 | ---- |
| Hip Fracture.....                          | 163,386            | 6.7                 | 6.5  | ---- | 11.7    | 11.5 | ---- | 15.1     | 15.0 | ---- |
| Sepsis.....                                | 80,999             | 25.6                | 25.7 | ---- | 34.6    | 33.8 | ---- | 39.8     | 38.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 58,026             | 3.0                 | 3.0  | ---- | 4.0     | 4.0  | ---- | 5.0      | 4.9  | ---- |
| Coronary Artery Bypass Graft.....          | 80,798             | 6.0                 | 5.7  | ---- | 8.3     | 8.1  | ---- | 9.5      | 9.2  | ---- |
| Initial Pacemaker Insertion.....           | 49,642             | 3.2                 | 3.3  | ---- | 6.5     | 6.3  | ---- | 9.1      | 9.1  | ---- |
| Carotid Endarterectomy.....                | 29,990             | 1.6                 | 1.5  | ---- | 2.8     | 2.8  | ---- | 4.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 122,156            | 3.4                 | 3.2  | ---- | 6.2     | 5.9  | ---- | 8.1      | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 80,075             | 6.1                 | 6.0  | ---- | 11.2    | 11.0 | ---- | 14.5     | 14.5 | ---- |
| Prostatectomy.....                         | 211,087            | 0.9                 | 1.0  | ---- | 2.2     | 2.3  | ---- | 3.7      | 3.8  | ---- |
| Cholecystectomy.....                       | 124,259            | 2.9                 | 2.7  | ---- | 5.0     | 4.9  | ---- | 6.5      | 6.5  | ---- |
| Hysterectomy.....                          | 53,905             | 0.7                 | 0.7  | ---- | 1.4     | 1.5  | ---- | 2.2      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.1 years |
| Proportion female.....        | 55.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 46.1 % |
| Transferred from skilled nursing facility..... | 1.1 %  |
| Admitted for elective procedure.....           | 22.0 % |
| Admitted for emergency.....                    | 46.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.6 %  |
| Chronic cardiovascular disease..... | 36.6 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 3.4 %  |
| Chronic pulmonary disease.....      | 15.0 % |
| Cerebrovascular degeneration.....   | 3.9 %  |
| Diabetes mellitus.....              | 8.0 %  |



# **Hospital Comments**

March 19, 1992

Medicare Provider #360015



*Albert F. Gilbert, Ph.D.*  
*President and CEO*

*525 East Market Street*  
*P.O. Box 2090*  
*Akron, Ohio 44309-2090*  
*Phone (216) 375-3000*  
*Fax (216) 375-4068*

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Mr. Moore:

Akron City Hospital is in receipt of the preliminary Health Care Financing Administration (HCFA) mortality statistics which are scheduled for release in June, 1992. The comments which follow represent our public response as to the validity and usefulness of this data as a measure of quality of health care.

Assurance of the quality of health care is a responsibility which Akron City Hospital accepts with the greatest of seriousness. The measurement of quality is undertaken in every aspect of our operation, from maintaining the right equipment and personnel to monitoring patient outcome on a regular basis. We, as does the HCFA, believe that the public has a right to information regarding the quality of the hospital serving them. However, we are concerned that the release of raw data on mortality cannot appropriately serve as an evaluation of quality. There are many factors relating to these outcomes and it is impossible to thoroughly communicate this information on each hospital across the country.

We continue to have concerns regarding the HCFA statistics. First, the methodology cannot assess whether differences in mortality are due to differences in quality of care or, in fact, are due to difference in condition of the patient being treated. Second, use of mortality as the sole indicator of quality is not appropriate. Finally, inclusion of deaths after the patient goes home may make the hospital accountable for circumstances over which we have no control.

In summary, Akron City Hospital believes its dedication to the measurement and assurance of quality of health care has led to a far more precise and meaningful approach than the one proposed by HCFA. We hope to continue to demonstrate the public's confidence in our service has been well placed.

Sincerely,

Albert F. Gilbert, Ph.D.  
President and Chief Executive Officer



400 Wabash Avenue  
Akron, Ohio 44307  
(216) 384-6000

Michael A. West  
President and CEO

**AKRON GENERAL  
MEDICAL CENTER**

Medicare Provider  
Number: 360027

We note, that in all categories where the sample size was large enough for HCFA to estimate the standard deviation, our observed rates were below the predicted rates or within two standard deviations of predicted rates.

We note the extremely small sample size of Carotid Endarterectomy of 16, and agree with your statement that "the precision and interpretability of our estimates are questionable when the standard deviation could not be calculated". (per your Technical Background information)  
The 16 cases selected in your data represent approximately one half of the Carotid Endarterectomies performed here on Medicare patients in FY 1990.

We conclude that Akron General Medical Center has no statistically significant variances from the predicted rates.

Member of:  
Health Network of Ohio

**VHA.**  
Voluntary Hospitals of America, Inc.

**NEO**  
Northeast Ohio Health Network



Medicare # - 360084

2600 Sixth Street S.W.  
Canton, Ohio 44710  
(216) 152-9911

Richard J. Pryce  
President

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Dr. Wilensky:

We appreciate the efforts of HCFA to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. This year, however, we would like to express some concerns with the "improved methodology." HCFA's attempt to define one parameter of quality paints an erroneous picture of quality to the general public.

In the short period given to comment, we have asked two statistician consultants from the Mathematic Sciences Department of the University of Akron to review the formula and methodology. They both agree that the formula and methodology has flaws. Because of the lack of detail provided to us, we were unable to replicate the model in its entirety. We would hope that HCFA would strongly consider utilizing the information detailed below to continually improve its methodology. The following are their findings.

The adjustment in the formula for severity of illness is flawed. The model appears to lump severity of illness with hospital practice patterns thus presuming that the patient's illness severity is due to hospital practices. This presumes that it is the hospital's fault that we have sicker patients. The fact is that we are referred sicker patients as a result of our role as a tertiary care hospital, better equipped to handle the sicker patient. We do not see anywhere that this major difference is accounted for in the formula. There also seems to be no distinction between mild versus severe disease especially in cases of no competing risk (comorbidity does not exist), i.e., a patient with an anterior MI that has good collateral circulation versus a patient with four vessel disease. Since selection of patient admissions is done randomly, comorbidity of any later admission is not included in the adjustment. In other words, if a patient is admitted

(Continued from Page 1.)

for congestive heart failure (CHF) and this admission is picked by HCFA for analysis, CHF is the diagnosis used for death. A patient may have had a later admission for stroke and died from this event - possibility in another hospital - but the death is charged to Aultman as a CHF.


Additionally, the model is limited in the adjustment for sex, age, and race and the impact of these factors on the disease of the patients. On Page A-11, in the demographic model, it appears that predicted mortality is based on age 65 years. The average age of admission for Aultman Hospital is 73.3 years. It is obvious that the morbidity and mortality of persons age 73 is greater than at age 65 for most diseases. The model does not appear to adjust our individual Hospital data for this discrepancy. Likewise, sex and race variables, among others, are important factors impacting the course of many diseases. Only age as related to sex appears to be adjusted in the model. These other factors do not appear to be considered.

Lastly, the data has included deaths for which the hospital cannot be held accountable. Where the cause of death is unknown, ie. the patient dies outside the hospital after discharge, the data does not appear to be excluded (censored). In these cases, the death should be excluded from the analysis. While the issue of the length of time following an admission included in the model has been of concern throughout your efforts, once again, we feel that it needs to be addressed. Hospitals should not be held responsible for patients death 180 days following admission.

Quality will always be a top priority with our Hospital and physicians. Aultman Hospital and the Medical Staff are constantly reviewing procedures and policies to make sure that the highest quality of standards of care are observed.

We thank you for the opportunity to submit comments to you and hope our suggestions for improvement are welcome.

Sincerely yours,



Richard J. Pryce  
President





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B A R B E R T O N   C I T I Z E N S   H O S P I T A L

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March 18, 1992

MEDICARE PROVIDER #:  
360019

Gail R. Wilensky, Ph.D, Administrator  
Health Care Financing Administration  
Medical Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Dear Dr. Wilensky:

Providing quality health care is the utmost concern to this hospital's board of trustees, medical staff and management team. Therefore, we appreciate the opportunity to comment to the Health Care Financing Administration (HCFA) about our quality assurance activities and confirm that the release of this information will be used as a tool in our continual monitoring of quality care. The efforts of HCFA to continually refine the statistical model is greatly appreciated. However, mortality data such as this is not a true measure of quality care. Although we are strong proponents of the public's right to obtain useful, reliable information on the quality of health care available to them, we also advocate understanding the proper way to interpret this information. Despite the apparent significance of the information we fear that consumers will draw inaccurate conclusions from the data.

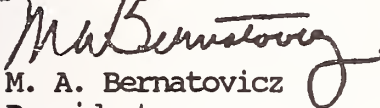
While we are pleased that our hospital fell within the predicted mortality ranges for all categories when the data is analyzed, this mortality data does not necessarily identify areas in which this or any other hospital provides "high quality" or "low quality" care. A mortality rate higher than predicted does not confirm the existence of quality problems, just as a mortality rate lower than predicted does not necessarily establish a "high quality" care performance. Actual mortality rates can be higher or lower for a variety of reasons. Improved efforts must be made to adequately account for the severity of a patient's illness, a prerequisite to meaningful death statistics. While the HCFA mortality data has attempted to adjust for certain factors related to the patient's condition, the methodology must continue to be refined.



We feel that comparisons of actual and predicted mortality rates, such as this study, should be viewed as only a "crude" measure of quality. The data can merely suggest that the hospital and its medical staff review an area to determine if a quality problem exists or if the type of patients treated by the hospital have unique characteristics that would contribute toward the institution's mortality rates.

Barberton Citizens Hospital and its medical staff routinely researches patient records, conducts study and takes prompt and thorough action, if deemed necessary. The mission of the hospital has and will continue to be to strive for excellence in patient care and to provide the highest quality of medical care to the community.

Sincerely,

A handwritten signature in cursive script, appearing to read "M. A. Bernatovicz", with a large, stylized flourish at the end.

M. A. Bernatovicz

President

Barberton Citizens Hospital

Medicare Provider Number 360019

---

# Bethesda

Provider # 360179

L. Thomas Wilburn Jr.  
Chairman of the Board  
President and Chief Executive Officer

March 18, 1992

Gail R. Wilensky, Ph.D.  
Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12 Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Attention: Robert Moore

Dear Dr. Wilensky:

We appreciate the opportunity to comment on the 1990 Medicare hospital information for Bethesda Hospitals.

Bethesda Hospital, Inc. operates Bethesda North Hospital and Bethesda Oak Hospital. Bethesda is a non-government, not-for-profit institution which is not church operated.

Sincerely,

  
L.T. Wilburn, Jr.

LTW:LMJ:maw  
enc.  
hcfa.doc



Provider # 36 0163

# The Christ Hospital

2139 Auburn Avenue, Cincinnati, Ohio 45219/(513) 369-2000

March 19, 1992

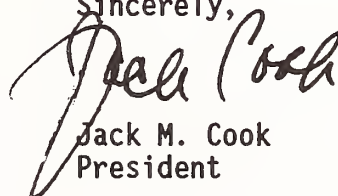
To Whom It May Concern:

The Christ Hospital welcomes the opportunity to review and comment on the 1990 Medicare Hospital Mortality Report. As a tertiary care teaching institution, the hospital is a referral center for Cardiology, Cardiac Surgery, Cancer, and Orthopedics. The type of patients treated at the hospital is best characterized by stating the hospital has the highest Medicare case mix index in Greater Cincinnati.

In order to accurately evaluate the hospital's performance on the eighteen conditions in the report, the predicted range of mortality was calculated for each condition with sufficient volume to determine the standard deviation (see attached). The mortality rates for those conditions without a standard deviation can not be considered significant. As HCFA notes in these six conditions "the number of deaths or cases is too small for satisfactory estimation." The ranges were calculated at the 95% confidence level to be consistent with HCFA's estimates. Upon reviewing the observed mortality rates for the remaining twelve conditions, it is clear that the observed value is well within the predicted range for all conditions and in each time period.

Our conclusion from this evaluation is that unexpected mortality as an outcome of hospitalization at The Christ Hospital is not a matter of concern. The hospital's medical staff continues to review mortality on an ongoing basis as an important component of our quality assurance process. More importantly, we pursue a philosophy in which opportunities to improve the care and outcomes for all patients is the focus of our efforts.

Sincerely,



Jack M. Cook  
President

JC/kd  
Enclosure

THE CHRIST HOSPITAL  
HCFA MORTALITY DATA

1990

|                                | 30 Days    |             |            | 90 Days    |             |            | 180 Days   |             |            |
|--------------------------------|------------|-------------|------------|------------|-------------|------------|------------|-------------|------------|
|                                | Pred Value | Obser Value | Pred Range | Pred Value | Obser Value | Pred Range | Pred Value | Obser Value | Pred Range |
| Acute Myocardial Infarction    | 24.7       | 18.6        | 13.1 -36.3 | 27.2       | 20.9        | 15.0 -39.4 | 29.5       | 23.3        | 15.5 -43.5 |
| Congestive Heart Failure       | 16         | 17.8        | 8.1 -23.9  | 25.1       | 27.1        | 16.2 -34.0 | 31.7       | 32.7        | 22.5 -40.9 |
| Pneumonia/Influenza            | 18.9       | 12.5        | 7.1 -30.7  | 25.5       | 21.4        | 11.1 -39.9 | 29.8       | 26.8        | 13.8 -45.8 |
| Chronic Obstruct. Pulm. Dis    | 7.4        | 7.1         | -1.2 -16.0 | 12.5       | 10.7        | 2.7 -22.3  | 16.6       | 14.3        | 5.0 -28.2  |
| Transient Cerebral Ischemia    | 1.4        | 0           | -2.5 - 5.3 | 3.1        | 1.6         | -2.4 - 8.6 | 5          | 3.3         | -3.6 -13.6 |
| Stroke                         | 20.7       | 10.9        | 7.1 -34.3  | 27.8       | 18.8        | 9.7 -45.9  | 31.7       | 20.3        | 15.8 -47.6 |
| Angioplasty                    | 2.3        | 1.5         | -0.5 - 5.1 | 3.2        | 2.6         | 0.0 - 6.4  | 4          | 2.6         | 0.3 - 7.7  |
| Coronary Artery Bypass Graft   | 5.0        | 2.0         | 1.3 - 8.7  | 7.0        | 3.6         | 2.7 -11.3  | 7.9        | 6.1         | 4.0 -11.8  |
| Hip replacement/reconstruction | 1.5        | 3.4         | -2.3 - 5.3 | 2.8        | 5.2         | -2.3 - 7.9 | 3.7        | 6.0         | -2.0 - 9.4 |
| Prostatectomy                  | 0.6        | 0.0         | -1.4 - 2.6 | 1.5        | 1.0         | -1.1 - 4.1 | 2.6        | 1.0         | -2.2 - 7.4 |
| Hysterectomy                   | 0.5        | 0.0         | -1.6 - 2.6 | 1.1        | 0.0         | -2.2 - 4.4 | 1.8        | 0.0         | -2.9 - 6.5 |
| All Causes                     | 7.5        | 6.2         | 6.3 - 8.7  | 11.6       | 10.5        | 10.2 -13.0 | 14.6       | 13.2        | 13.0 -16.2 |





## Clermont Mercy Hospital

3000 Hospital Drive  
Batavia, Ohio 45103  
(513) 732-8200

Medicare Provider #: 360236

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore.

Dear Mr. Moore:

We have received the FY 1990 Medicare Hospital Mortality Data. Our concerns with the data provided have changed little from our response of last year.

Again, the numbers of patients reflected in the report remain small. These numbers are, in fact, too small to use the reported findings for any comparison reasons. All but two categories had too few numbers to estimate standard deviations to assist in interpretation of the findings.

We do note that other medical conditions were considered in this year's release. However, not all risk factors are considered. Nor does the release include reference to multiple medical conditions existing for one patient.

Again, we would like to comment on the fact that the cause of death is not always the Principal Diagnosis. We do recognize the difficulties that would be encountered should Medicare wish to track mortalities by the cause of death.

Again, we would like to comment on the fact that this report does not reflect only deaths in the hospital. In fact, a number of cases could very well have died at other facilities or from very different causes, such as car accidents.

We do appreciate the opportunity to respond to the information being released. It is unfortunate that we were given so little time to research and study the report.

Sincerely;

Sister Mary George Boklage, R.S.M.  
President.

cc: File

MEDICARE PROVIDER NO. 36-0175

March 18, 1992

Gail R. Wilensky, Ph.D.  
Administrator  
ATTN: Robert Moore  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3A-12, Security Office Park Bldg.  
6325 Security Boulevard  
Baltimore, MD 21207-5187

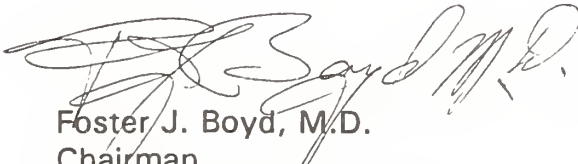


Dear Ms. Wilensky:

In regards to the release of Medicare Hospital Mortality information for 1990:

1. The Hospital was pleased that our Medicare mortality for "All Causes" was within the national norm.
2. Unfortunately, our volume in most categories is too small to permit satisfactory estimation of the standard deviation; however, we were pleased that the mortality rates for the two (2) categories which did have statistically significant volume were within the national norm.
3. Clinton Memorial Hospital reviews all mortalities on an ongoing basis and therefore, prior to the receipt of the fiscal year 1990 Medicare hospital mortality rates, had reviewed all deaths and failed to identify any isolated instance or pattern of deviation from the standard of care.

Sincerely,

  
Foster J. Boyd, M.D.  
Chairman  
Quality Review Committee

FJB:cb

Doctors

400 Austin Avenue, N.W.  
Massillon, Ohio 44646

(216) 837-7200



Hospital

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Dear Ms. Wilensky:

The assessment of the mortality data released February 28, 1992, has been completed. Doctors Hospital accepts this information as it is presented, recognizing that it is statistically favorable in regard to the hospital experience in 1990.

It is the philosophy of this hospital to continue working for the provision of quality care of our patients. We will continue to incorporate information such as this mortality data in our comprehensive program of total quality improvement.

Respectfully,

A handwritten signature in cursive script, appearing to read 'Thomas E. Cecconi'.

Thomas E. Cecconi  
President and  
Chief Executive Officer

TEC/llr



Medicare Provider Number: 360210

March 17, 1992

Ms. Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Dear Ms. Wilensky:

This letter is in response to Medicare Hospital Mortality information provided us for the years 1988, 1989, and 1990.

With regards to the data, we note the number of cases or deaths were too small to permit satisfactory estimations of the Standard Deviation in all but two categories in 1988 and 1989 (all causes and pneumonia/influenza) and three categories in 1990 (all causes, congestive heart failure, and pneumonia/influenza). Our rates are within the 95% confidence interval ( $\pm 2$  SD) with the exception of all causes for 1988. In that category, the data exceeded the confidence interval by only 1-1.3% for the 30, 90, and 180 days.

We wish to point out that some patients included in the mortality data were in the "Do Not Resuscitate" category and your data does not reflect this information.

Another area that is not reflected is the patient who has an acute care admission and becomes a Hospice patient. If the acute care admission is randomly selected, the death will be included in the hospital mortality data.

We have concerns regarding the data as it relates to referrals to Tertiary Care facilities and Nursing Homes. The Tertiary Care facilities (referral hospitals) often perform the majority of invasive therapies and re-transfer the patient back to the referring facility or to a Nursing Home. This data does not reflect that aspect of Tertiary Care activity. Also our county nursing homes receive a large number of patients from Franklin County hospitals. Since we are the only hospital in the county, we receive these patients in all conditions. Some of these patients might be "Do Not Resuscitate" status and others may be in the later acute phase of their illness.



We believe inclusion of the following variables in the calculation of our Mortality Data would provide more reliable and valid information:

- A. Exclusion of "Do Not Resuscitate" patients
- B. Exclusion of Acute Care patients who become Hospice patients
- C. Provide weighted categories for procedures performed in Tertiary Care facilities for patients who are transferred or admitted to community hospitals.

We found the principal changes in the 1992 report helpful. The graphic presentation provided visionary explanation of the data. Variable information, geographic origin, and average length of stay comparisons are also useful.

Thank you for the opportunity to comment on the data. We feel this data demonstrates that our hospital and medical staff are providing high quality care.

Sincerely,

A handwritten signature in black ink, appearing to read 'Everett P. Weber Jr.', with a stylized flourish at the end.

Everett P. Weber Jr.  
President

EPW:jed

# GRANT MEDICAL CENTER

Medicare # 360017

111 South Grant Avenue  
Columbus, Ohio 43215

a U.S. Health affiliate

Telephone  
(614) 461-3232

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Security  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

March 18, 1992

Dear Ms. Wilensky;

Thank you for allowing us to respond to the mortality data for Grant Medical Center in Columbus, Ohio which will be released in your upcoming publication. We would like to restate our position, as in previous years, that statistical data alone can not truly describe the actual quality of care delivered to a patient as it does not reflect the severity of the patient's illness. Hospitals who specialize in the care of patients with more complex cases will receive a higher number of cases where the severity and complexity of the patient's case will skew statistics. However, we do not argue that investigation of statistical variations is useful as one tool, along with others, for validation of the quality of care provided.

Grant Medical Center is a 413 bed tertiary care referral center with specialty centers which include:

Digestive Disease Center which treats patients with digestive disease disorders and focuses on the care of unusual and complex diseases.

Oncology Services program which treats cancer patients referred to Grant for advanced protocols supported by the National Cancer Institute, Southwest Oncology Group, and Columbus Community Oncology Program.

Special Respiratory Unit supported by Board Certified Pulmonologists for advanced care of patients with respiratory and ventilator dependent illnesses.

Cardiovascular Services Department which receives patients referred from outlying areas and provides a full range of interventional cardiology and open heart care.

Joint Replacement Center which has many patients who come from across the United States. Many of these patients have been referred to Grant for the expertise of this program after the failure of their original joint replacement procedure performed elsewhere.

These specialty centers are serviced by our emergency transport system which includes two helicopters who provide services for both trauma victims and patients too critically ill to travel by ground.

We closely examined our cases which were included in Medicare's FY 1990 Mortality report. The case sample size in 9 categories was so small that a standard deviation could not be calculated. Review of the mortality cases identified patients with very high severity of illness issues.

A few examples are:

- \* Many of the deaths in the cholecystectomy category were patients who underwent surgery for radical abdominal procedures to treat cancers of the abdomen or other complicated body system diseases. In these cases, the cholecystectomy was often an incidental event and does not reflect a routine cholecystectomy.

- \* Many of the patients who were grouped in the Pneumonia/Influenza category were patients of our Oncology Service and had lung or other metastatic carcinomas. As well, some patients were admitted through our Emergency Department and Medical Clinic. These areas serve a large number of the residents of our homeless shelters in the downtown area. These patients are typically in poor health and do not carefully follow medical regimens.

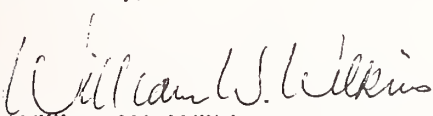
- \* We measure our Coronary Artery Bypass mortalities against the nationally recognized Parsonette algorithm for surgical risk prediction and find our rate to be better than expected. Our base number of patients remained the same as last year, however our observed mortality rate was significantly lower.

As these examples show, Grant serves as a tertiary referral center to a population that includes the severely ill and complex patient. The HCFA mortality model cannot accurately reflect this situation.

As an internal quality assurance mechanism at Grant Medical Center, every mortality case is reviewed by a peer group of physicians to assure that each patient received optimal care. This mechanism monitors the quality of care provided and serves as an educational basis for the active morbidity and mortality conferences regularly held by the Medical Staff. We feel that this process is more accurate and beneficial than reliance upon statistical indicators to monitor the quality of care received by our patients.

Again, thank you for this opportunity for input.

Sincerely,



William W. Wilkins,  
President and Chief Executive Officer



Benjamin C. Humphrey, M.D.  
Chairman, Quality Review Committee



GREENE  
MEMORIAL  
HOSPITAL,  
INC.

1141 N. MONROE DRIVE, XENIA, OHIO 45385  
Telephone 372-8011 or 429-3200

Medicare Provider Number: 360026

March 16, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

Greene Memorial Hospital has received its Medicare Mortality Data for 1990. The data has been reviewed and verified to the extent possible. The following comments are offered:

- 1) Based on HCFA's mortality data, Greene Memorial Hospital has demonstrated a consistent high level of quality patient care.
- 2) The overall mortality for Greene Memorial has decreased in comparing data for 1988, 1989 and 1990.
- 3) Greene Memorial fell within the lowered 1990 standard deviation range for all discharge intervals, condition categories and procedure categories.
- 4) Of further significance, 58.9% of the patients were admitted from the hospital's Emergency Center, with the most significant comorbidity condition being "chronic cardiovascular disease" (32.7%). This is expected to be characteristic of patients coming to this hospital in the future as Greene Memorial Hospital is located within one block of four nursing homes. Our Emergency Center, the only one in our county, serves a high population of nursing home patients whose chronic illnesses have reached an acute stage.

Sincerely,

Michael R. Stephens  
Executive Vice President





# HOLZER MEDICAL CENTER

385 JACKSON PIKE, GALLIPOLIS, OHIO 45631

CHARLES I. ADKINS, JR.  
CHIEF EXECUTIVE OFFICER

(614) 446-5000

March 18, 1992

Provider #360054

Gail R. Wilensky, Ph.D.  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Mr. Moore:

Thank you for the opportunity to comment on mortality data for Holzer Medical Center. Below please find our comments regarding hospital specific information:

## I. Data Verification

### A. Review of Fiscal Year 1990 Statistics

All data appears to be correct with the exception of nurse staffing. Data provided to American Hospital Association are as follows:

#### Registered Nurses:

Full Time - 106  
Part Time - 73

#### Licensed Practical Nurses:

Full Time - 32  
Part Time - 24

### B. Comparison of Fiscal Years 1988 & 1989 Mortality Rates

When you compare the HCFA 1991 Report with the 1992 Report, the observed mortality rates by conditions vary.

Example (at 30 days):

| <u>Condition</u> | <u>92 Report</u> | <u>91 Report</u> |
|------------------|------------------|------------------|
| Acute MI         | 33.9%            | 42.9%            |

This obviously has to do with the methodology applied to determine cases and the predicted mortality. However, due to inconsistencies with the reports, it is difficult to present data to our medical staff without them questioning the credibility of the report when assessing quality of care issues. These variations were noted for all conditions/procedures.

C. Review of HMC Medicare Mortality Rates for Fiscal Years 1988-1990:

When using the statistical model presented by HCFA, at the 95% confidence interval, Holzer Medical Center' observed rates were within the expected mortality ranges for the eight diagnostic, nine procedure & all cause categories.

II. Interpretative Remarks

Listed below are our concerns regarding the methodology used by HCFA to establish national mortality rates:

A. Lack of Consistent Methodology:

As was mentioned last year and was elaborated in the data analysis section of this letter, the methodology is not consistent from year to year. It is difficult to measure the hospital's performance when the evaluation tool changes each year.

B. No Comparisons Based Upon Facility Similarities

Holzer Medical Center is a 249 bed (plus 20 inpatient physical rehabilitation beds) Rural Referral Center. Our patient mix is different than a 75 bed facility or a major urban medical center. The statistics would be more meaningful if data was presented based upon similarities i.e., case mix index, number of annual Medicare discharges, geographic location, etc.

In conclusion, we will review the data with our Utilization Review and Quality Assessment Committees for opportunities to improve care provided to our community. If you need any clarification in regard to our response, feel free to contact me at (614) 446-5051.

Sincerely,



Thomas R. Childs, FACHE  
Chief Operating Officer



Lake Hospital  
System

March 16, 1992  
Medicare #360098

LakeWest Hospital  
36000 Euclid Ave.  
Willoughby, OH 44094  
(216) 953-9600

LakeEast Hospital  
Washington at Liberty  
Painesville, OH 44077  
(216) 354-2400

Lake Medical Center -  
Madison  
2041 Hubbard Rd.  
Madison, OH 44057  
(216) 428-6800

Lake Rehabilitation  
and Wellness Centre  
6000 Heisley Rd.  
Mentor, OH 44060  
(216) 352-1200

LakeCare Health Services  
5836 Heisley Rd.  
Mentor, OH 44060  
(216) 639-0900

Lake Community  
Health Center  
5830 Heisley Rd.  
Mentor, OH 44060  
(216) 639-4370

Lake Mentor  
Urgent Care Center  
6965 Center St.  
Mentor, OH 44060  
(216) 255-6400

Lake Willowick  
Urgent Care Center  
30498 Lake Shore Blvd.  
Willowick, OH 44094  
(216) 585-3322

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Blvd.  
Baltimore, Maryland 21207-5187

Attention: Robert Moore

Dear Mr. Moore:

Thank you for affording our hospital the opportunity to comment on the 1990 Medicare mortality data scheduled for public release. We are a 350 bed general acute care hospital system with a strong commitment to providing high quality patient care to the residents of Lake County and the surrounding area. We are gratified that our mortality rates were within the expected ranges in all categories, especially since we have extensive programs in cardiology, neurosurgery and hospice. However, the hospital characteristics' section of your report is incorrect when it lists no neurosurgical ICU and hospice unit at Lake Hospital System. We indeed provide these services.

This data, and mortality review in general, is a useful tool in hospital quality assessment and improvement activities and is one component of our outcome oriented quality program here. However, it is important for those using this data to understand that a meaningful assessment of hospital and physician performance is dependent on many variables and requires the analysis of many quality indicators, of which mortality is but one. In our patient-focused quality program, we continually monitor scores of quality indicators and screens in this effort.

In conclusion, I applaud your efforts to inform the public regarding health care quality issues, but have serious concerns regarding the potential for misinterpretation of this data.

Sincerely,

Thomas V. Thompson, RRA, CPHQ  
Director, Quality Services

bg

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# LORAIN COMMUNITY HOSPITAL

March 17, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management & Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187  
ATTN: Robert Moore

RE: Medicare Provider #36-0172

Dear Ms. Wilensky:

We wish to offer the following comments on HCFA's 1990 mortality data:

## DATA VERIFICATION

1. The data from HCFA attributes 1591 Medicare admissions to Lorain Community Hospital during 1990 while our inhouse statistics reveal 2780 Medicare admissions in 1990. The discrepancy reflects a difference in the way the admissions were counted; HCFA counted one random admission for beneficiaries with multiple admissions, while the hospital statistics reflect all admissions during the year.
2. The data received by HCFA indicates that a total of 232 Medicare patients admitted to Lorain Community Hospital died within 180 days of admission, 80 (34%) of which died while an inpatient and 152 (66%) died after discharge. Of the 152 cases that died after discharge, our records indicate that 66 (43%) were discharged to other facilities (hospital, skilled nursing facility, intermediate care facility, etc.), 70 (46%) were discharged home, and 16 (11%) were discharged with home health services. Therefore, 54% were discharged with continuing clinical care.
3. There were 18 cases with incorrect ages, 1 case with an incorrect death date, 1 case with an incorrect name, and 1 case with an incorrect Medical Record number. The corrected information is detailed in Attachment A.



# LORAIN COMMUNITY HOSPITAL

Health Care Financing Administration

March 17, 1992

Page 2

## **FINDINGS**

1. For those categories in which there were over 50 cases and a standard deviation was provided, a range was constructed and in all categories Lorain Community Hospital's observed mortality rate fell within the range.
2. However, the majority of categories had fewer than 50 cases, thus a standard deviation was not provided and a range could not be constructed. Since these categories are considered to not be statistically significant, these cases were referred to the Quality Assurance Program to determine clinical significance.

## **EVALUATING QUALITY**

As we all strive to evaluate quality, it must be realized that mortality statistics are only one aspect of quality measurement. Efforts by the American Hospital Association and other organizations to identify measures other than mortality to assess quality will assist all facilities in determining where they fall on the quality yardstick.

Sincerely,



Paul C. Balcom  
President & Chief Executive Officer

PCB/bw

Attachment



# MANSFIELD GENERAL

YOUR HEALTH CARE CENTER IN NORTH CENTRAL OHIO

March 16, 1992

MEDICARE PROVIDER NUMBER - 360118

This year's release of hospital mortality statistics by the Health Care Financing Administration (HCFA) continues the pattern of confusion produced by each of the previous releases of such data.

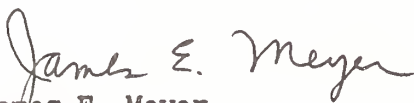
The raw data are not meaningful as an index of hospital performance. The data are designed to raise questions, not to answer them. The statistical model identifies differences in mortality rates among patients who were admitted to the hospital at least once, but does not and cannot explain why they are different. Unfortunately, releasing these data to the general public encourages people to make judgments which are not valid, both for and against particular hospitals.

This year's data do raise questions for our hospital which we are addressing by detailed studies which obviously cannot be completed in time to include them with this response letter. Since two-thirds of the deaths which occurred in our patient population happened after the patients had been discharged from the hospital, it will take some time to collect and evaluate these data. HCFA's statistical model does not make any attempt to relate the cause of death to the reason for the selected hospital admission.

A strong validation of our quality care (and perhaps a repudiation of HCFA's statistical model) comes from the government's own Peer Review Organization. During the last six months of 1991, Peer Review Systems, Inc. reviewed 100% of our Medicare discharges looking for quality of care issues. After reviewing more than 1,100 charts, they identified some documentation omissions, but there were no significant quality of care problems. Our own internal peer review program arrived at the same conclusion.

We will certainly address the issues raised by these mortality statistics, so our patients and our medical staff can feel comfortable in the knowledge that if there is a problem, it lies in HCFA's statistical model and not with the quality of care which is provided at Mansfield General Hospital.

Very truly yours,

  
James E. Meyer  
President

JEM:njs

## Medical College of Ohio

Office of the Vice President for Clinical Affairs,  
and Medical Director, Medical College Hospitals

419-381-4172

419-381-3421

3000 Arlington Avenue

Mailing Address: P.O. Box 10008  
Toledo, Ohio 43699-0008



Frank S. McCullough, M.D.

Medical College Hospitals  
Medicare Provider Number 36-0048

March 10, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management & Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Blvd.  
Baltimore, Maryland 21207-5187

Dear Doctor Wilensky:

This letter is written in response to the public release of Fiscal Year 1990 Mortality data. As a background to our response, I would like to provide you with some information about our hospitals. The Medical College Hospitals is a licensed 319 bed tertiary care medical school hospital. We provide inpatient and outpatient primary care, as well as many highly-specialized services such as heart and kidney transplantation, pediatric and adult cardiac surgery, intraoperative radiation therapy and comprehensive rehabilitation services. The Hospital serves as a major referral center for the areas of northwest Ohio, southeast Michigan and northeast Indiana. Approximately 50% of all our patients are referred or transferred by physicians outside of Toledo.

The Hospitals' medical staff is comprised of over 253 active physicians. In addition, the hospital employs over 240 resident physicians in training and many other health care practitioners. The medical staff, as well as our board of trustees, employees and administration maintain a strong commitment to the provision of high quality patient care, education and research.

With this background, I would now like to focus on the mch response to the mortality data which are scheduled for public release in June 1992. Even though the overall mch mortality rate falls within the statistically predicted range for the 30 day post-admission period for all causes, I do not believe that mortality rates alone can, or should, be used to judge the quality of care provided in any hospital. Mortality rates, while important, are only one facet of a quality management program. In our hospital, each mortality is analyzed by a physician peer group. All factors which may have contributed to the



Gail R. Wilensky, Ph.D.  
Health Care Financing Administration  
March 11, 1992

Medical College Hospitals  
Medicare Provider #: 36-0048

fatal outcome are carefully weighed and a determination is made regarding the quality of care provided. The lessons learned from this process are applied to future cases, and the result is a continuously improving level of care. Interpretation of the mch mortality data provided by HCFA is very difficult because of the small numbers of mortalities in the various diagnostic categories. Because of the small numbers, the usual means of statistical analysis cannot be applied and the significance of the mortality rates cannot be ascertained.

Even though patients' ages are taken into consideration, adjustments for severity of illness indices are still lacking from the methodology. Given the nature of the broad diagnostic groupings, a tertiary care hospital such as mch, which historically has provided care to the most complex and seriously ill patients, will be unfairly judged unless severity of illness is factored into the equation. Continued inclusion of mortalities three and six months post-hospital discharge is a great concern to us. Despite HCFA's public pronouncements that hospital-specific mortality data are not meant to be used as a quality of care indicator, the fact is that some hospitals are using lower than predicted mortalities for marketing and/or public relation purposes. Centers, such as mch, which often are not directly responsible for patients following discharge from our hospital, are unfairly stigmatized by inclusion of mortalities which are outside the influence or control of our hospital.

At mch our commitment to high quality, cost-effective health care remains very strong. In an era when fiscal restraints on health care providers are increasingly burdensome, I respectfully suggest that the monies spent on perpetuating a process of such questionable value as these mortality analyses could be put to much better purpose by devising a policy recommendation that would provide access to health care to all of our citizens.

Sincerely,



Frank S. McCullough, M.D.  
Vice President for Clinical Affairs  
and Medical Director  
Medical College Hospitals

pg

cc: Ohio Hospital Association





MEDICARE PROVIDER NUMBER 360059

March 20, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

Dear Dr. Wilensky:

We were pleased to receive the advance copy of this year's Medicare mortality report. We have again incorporated this information into our already extensive quality management process and look forward to future refinements which will further increase its utility.

These data must be interpreted carefully. HCFA's predictive model has been greatly improved over the years, making evaluation of observed mortality rates more meaningful, but the model does not yet account for many factors which explain variations among hospitals. Hospitals have different missions, offer different programs and services, and care for different patient populations. Within any diagnostic or procedure category, some hospitals have more patients at greater risk of dying as a direct cause of their primary disease or from other causes which may not be adequately accounted for by the current model.

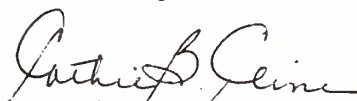
When HCFA disseminates these data to the public, the uncertainty and imprecision of the predicted mortality rates must be concisely and carefully explained. Because most categories lack the information needed to assess statistical significance, some readers may focus only on the relation of observed to predicted rates and reach improper conclusions. Without a test of statistical significance, observed rates, whether high or low, should not be interpreted as being better or worse than predicted rates. This might be accomplished by revising the explanation

Gail Wilensky, Ph.D.  
March 20, 1992  
Page 2

under the mortality rate tables to read:

- \* The number of cases or deaths in this category is too small to satisfactorily estimate the standard deviation and to determine whether observed and predicted rates are meaningfully different.

Sincerely,



Cathie B. Cline  
Interim President  
The MetroHealth Medical Center

CBC/GDW:abb  
/1085



March 19, 1992

105 McKnight Drive • Middletown, Ohio 45044-4898 • (513) 424-21

Gayle R. Wilensky, PhD  
Administrator  
Healthcare Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

Medicare Provider #360076

Middletown Regional Hospital has carefully reviewed and validated the 1990 Medicare Mortality Information as received from HCFA.

Although the model has been refined, we continue to have concern regarding the statistics. The methodology still cannot assess whether differences in mortality are due to differences in quality of care or, in fact, are due to differences in condition of the patient being treated. Independent studies show the model does not adequately account for the severity of a patient's illness. It is important for the public to understand that patient characteristics utilized in determining predicted mortality rate are derived from billing and retirement status records, not medical records. This billing information reveals no information regarding severity of illness or health risk stratification. The statistics are helpful in identifying trends but do not reflect the true status of patients and should not be used as an indicator of the quality of care. Presenting mortality data beyond 30 days post discharge does not necessarily reflect inappropriate management by hospital providers, since such rates are likely influenced by factors beyond the control of the hospital.

MRH review of the patient records in this study revealed the following statistics which may be helpful in understanding the patient population.

- Based on the methodology used by HCFA only 2465 Medicare patients were included in the study for MRH. Our internal statistics reflect 3768 Medicare admissions for the same fiscal period. The HCFA statistics include only 65% of the Medicare admissions. This means 34.5% of our total Medicare admissions are repeat or multiple admissions for the same patient. This further skews mortality rates, when one considers that many patients have chronic conditions and are frequently re-admitted.
- Of 2465 records reviewed by HCFA, only 6.94% of that population actually expired at MRH during the studied admission. Analyzing total deaths for the period, 32.2% of all deaths occurred during the admission reviewed; 18.8% expired within 30 days; 19.8% expired between 30 and 90 days post discharge; 13.7% expired between 90 and 180 days, and 15.2% expired more than six months after discharge. This means that almost 70% of the patients died after discharge. The 180 day post discharge category may allow HCFA to identify long term patient outcomes, however it is less likely that a death occurring more than six months after a hospital admission can be attributed to hospital care.
- Twenty-two percent of all MRH Medicare discharges were discharged to home requiring support of home nursing service. Twenty-six percent of all Medicare discharges from MRH were to a skilled or intermediate care facility (nursing home). This means 48% of these patients could not care for themselves without assistance.
- The total MRH Medicare population reviewed by HCFA exhibited an average age of 74.2 years. The average age of all mortalities was 79.4 years, but 29.8% of the mortalities were aged 85 years or older.

- MRH internal quality studies indicated that over 85% of the hospital mortalities were in the high risk category or poor prognosis at time of admission. Majority of these cases were complicated by multiple system disease. For example, in 1991 over 90% of all Medicare mortalities at MRH were DNR. Of all Medicare admissions at MRH, 16.3% had a secondary diagnosis of pneumonia or UTI which, we know from study of the literature, is a significant contributing factor to high risk outcome and increased mortality. Ninety five percent had comorbid conditions and 42% had two or more comorbid illnesses.
- MRH supports a very extensive and sophisticated quality improvement program which reviews all patient care activities. Our system includes the review of all mortalities for appropriateness of care during hospital stay. MRH continuously monitors patient care and makes improvements when necessary. MRH believes it's dedication to the measure and improvement of quality of healthcare has led to a more precise and meaningful approach than the one currently used by HCFA. We hope to continue to demonstrate that the public's confidence in our service has been well placed.

To facilitate review of the data, a predicted range (using previous HCFA reporting format) was constructed and in all categories MRH's observed mortality rate fell within the two standard deviation or 95% confidence range.

| <u>DIAGNOSTIC<br/>CATEGORY</u>                 | <u>CASES</u> | <u>30 DAYS</u>  |                            | <u>90 DAYS</u>  |                            | <u>180 DAYS</u> |                            |
|------------------------------------------------|--------------|-----------------|----------------------------|-----------------|----------------------------|-----------------|----------------------------|
|                                                |              | <u>OBSERVED</u> | <u>PREDICTED<br/>RANGE</u> | <u>OBSERVED</u> | <u>PREDICTED<br/>RANGE</u> | <u>OBSERVED</u> | <u>PREDICTED<br/>RANGE</u> |
| All Cases                                      | 2463         | 9.1             | 7.4-9.8                    | 14.6            | 11-15                      | 17.8            | 14.4-18.4                  |
| Acute MI                                       | 86           | 38.4            | 7.9-39.1                   | 39.5            | 11.9-41.9                  | 40.7            | 15.4-44.2                  |
| Congestive<br>Heart<br>Failure                 | 136          | 11.8            | 6.6-23                     | 25.0            | 15.1-41.9                  | 31.6            | 21.1-37.9                  |
| Pneumonia/<br>Influenza                        | 112          | 13.4            | 6.9-23.3                   | 21.4            | 9.5-32.3                   | 29.5            | 11.3-38.1                  |
| Chronic<br>Obstructive<br>Pulmonary<br>Disease | 34           | 5.9             | N/A                        | 8.8             | N/A                        | 11.8            | N/A                        |
| Transient<br>Cerebral<br>Ischemia              | 34           | 0               | N/A                        | 0               | N/A                        | 0               | N/A                        |
| Stroke                                         | 78           | 21.8            | 10.8-30.4                  | 28.2            | 10.6-42.6                  | 33.3            | 14.3-45.9                  |
| Hip Fracture                                   | 84           | 7.1             | 0-11.7                     | 13.1            | .4-20.8                    | 17.9            | .4-26.8                    |
| Sepsis                                         | 31           | 25.8            | N/A                        | 35.5            | N/A                        | 41.9            | N/A                        |

It is imperative that the reader understand that the figures represented in the observed and predicted column can be the difference of one or two patients per category, due to statistical variances. Fluctuations in the actual number of mortalities when applied to the relatively small number of patients treated can result in periodic distortions of actual versus predicted mortality rates.

*Carol J. Turner*

Carol Turner

Vice President, Administration  
Middletown Regional Hospital





**Mt. Sinai**  
Excellence. It's our heritage.

Medicare Provider Number: 360075

ANITA KHAYAT, Ph.D.

Vice President,

March 18, 1992

Professional Services/Medical Affairs

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dr. Mr. Moore:

I am forwarding comments from our cardiothoracic surgeons relative to the 1990 mortality rates for those patients undergoing coronary artery bypass grafts (CABG). The point they wish to make is that these data, when published, will be interpreted by the public as indicative of the overall patient population of the particular hospital. Even though the observed numbers are less than the predicted, the lay person will gauge his "odds" as the observed value for those selected Medicare patients. The impact of age and severity of illness on the outcome for these patients is not apparent to the average newspaper reader, and yet these factors clearly skew the death rate. Our surgeons have supplied the complement numbers, non-Medicare patients, to complete the data set. In their case that increases the number of cases from 81 to 231 and reduces the observed deaths from 6.2% to 2.6%. Since Medicare patients represent the minority of cases performed, the information made public is incomplete and misleading. This applies not only for CABGs, but for all categories included in the report.

While we applaud HCFA's intent to inform the public, our enthusiasm would be far greater if the data were more comprehensive and accurate.

Sincerely,

Anita Khayat, Ph.D.  
Vice President

THE MT. SINAI MEDICAL CENTER

One Mt. Sinai Drive • Cleveland, Ohio 44106-4198 • Fax: (216) 421-5111 • (216) 421-4855

Affiliated with Case Western Reserve University School of Medicine and the Jewish Community Federation



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Excellence. It's our heritage.

ANITA KHAYAT, Ph.D.  
Vice President,  
Professional Services/Medical Affairs

*Anita Khayat*  
By: Anita Khayat, Ph.D.  
Vice President  
Professional Services/Medical Affairs

Medicare mortality: CABG (5/81 = 6.2%)

| <u>AGE</u> | <u>EF%</u> | <u>PRE-OPERATIVE STATUS</u>                                       | <u>CAUSE OF DEATH</u>                           |
|------------|------------|-------------------------------------------------------------------|-------------------------------------------------|
| 83         | 30         | Parkinson's Disease                                               | POD#6 pulmonary embolus                         |
| 82         | 30         | Previous cardiac arrest<br>& resuscitation, low<br>cardiac output | POD#16 gangrenous chole-<br>cystitis & sepsis   |
| 79         | 35         | Low cardiac output                                                | POD#12 persistent low<br>cardiac output         |
| 71         | 10         | Low cardiac output,<br>refractory angina,<br>previous CABG 1978   | POD#30 persistent ventri-<br>cular dysrhythmias |
| 67         | 30         | Urgent transfer,<br>refractory angina                             | POD#2 LV dysfunction                            |

AVERAGE 76.4 27%

From data above, mortality was more likely to occur:

1. in the very elderly patient requiring emergency CABG for ischemia and low cardiac output.
2. in the setting of multiple previous infarctions.

Non-Medicare mortality: CABG (1/150 = 0.6%)

| <u>AGE</u> | <u>EF%</u> | <u>PRE-OPERATIVE STATUS</u>                                | <u>CAUSE OF DEATH</u>                 |
|------------|------------|------------------------------------------------------------|---------------------------------------|
| 64         | 30%        | Post-infarction cardio-<br>genic shock, concomitant<br>TIA | POD#3: stroke, ?<br>pulmonary embolus |

Age & urgency of surgery have the greatest influence on CABG outcome.



Office of the Executive Director,  
Assistant Vice President for  
Health Services

450 West 10th Avenue  
Columbus, Ohio 43210-1228  
(614) 293-5555

MEDICARE NUMBER

360085

March 16, 1992

Ms. Gail Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medical Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

Dear Ms. Wilensky:

The Ohio State University Hospitals (OSUH) is a tertiary care, teaching and research center and serves as a prominent referral center for the state of Ohio and its surrounding states. The Hospitals operates numerous intensive care units, including the area's only Burn Intensive Care Unit and Heart Transplant program. In addition to a Level I trauma center and a fully comprehensive Emergency Department, supported by the SKYMED air ambulance service, the Hospitals offers specialized services in such areas as rehabilitation, neuroscience, and cardiovascular treatment.

Upon verification of the Medicare mortality data provided by HCFA, we determined that a very minimal number (21 of the 3530) of the Medicare admissions could not be identified as OSUH patients. It is important to note that only 41% of the deaths reported occurred during hospitalization at OSUH.

We are committed to providing high quality patient care at The Ohio State University Hospitals in an environment of intensive caring and continuous improvement. We continue to encourage the provision of reliable health care data to consumers in efforts to support health care decisions regarding cost and quality.

Thank you for the opportunity to comment.

R. Reed Fraley  
Assistant Vice President for  
Health Services and  
Executive Director

Hagop S. Mekhjian, MD  
Assistant Vice President for  
Health Services and  
Medical Director



Ohio Valley Hospital  
One Ross Park  
Steubenville, Ohio 43952  
614-283-7000

Provider #360211

#### OHIO VALLEY HOSPITAL COMMENTS FOR PUBLICATION

##### MEDICARE MORTALITY      FISCAL YEAR 1990 (October 1, 1989 - September 30, 1990)

At Ohio Valley Hospital we have an ongoing, comprehensive program for monitoring and evaluating patient care. Great emphasis is placed on this program in an effort to continuously improve upon the care we deliver to the people in our tri-state community. Concurrent and retrospective review of care includes both Medicare and Non-Medicare patients. Inpatient and outpatient care is monitored and evaluated. Review includes, but is not limited to: mortality, morbidity, blood and drug utilization, quality and appropriateness of surgical procedures and the review of unusual occurrences or sentinel events. After receipt and analysis of the Medicare mortality rates for fiscal year 1990, the following comments are offered to our consumers of health care:

- We are of the opinion that the only mortality statistics which are reflective of the care we deliver are those cases of death which occur in Ohio Valley Hospital. Too many variables are present which can contribute to a patient's death after discharge. Therefore, our comments will focus on those mortality cases occurring within our facility.
- Over 70% of our Medicare admissions were through the Emergency Department. When looking at the severity of illness of our Medicare patients, on a scale of 0-4 with 4 being the most acutely ill, over 50% of our Medicare patients were in severity Groups 2 through 4.
- Our predicted mortality rate for all cases was 9.4. Our actual or observed rate was 9.1.
- Of those conditions and procedures listed, only three areas were statistically significant for comment.

Congestive Heart Failure. Out of 129 cases, 17 inpatient deaths were identified. Ages varied between 57-93, with an average age of 78.3. On a severity scale of 0-4, the severity ranged from 2-4, with an average severity of 2.9.

Pneumonia/Influenza. Out of 71 cases, nine inpatient deaths were identified. Ages varied between 73 and 94 with an average age of 80.4. Severity ranged between 2 and 3; with an average severity of 2.3.



Provider #360211

Prostatectomy. Out of 52 procedures performed, two inpatient mortalities were identified. Both patients had significant comorbid conditions. In fact, one procedure was not an elective removal of the prostate but a fulgeration of the prostate bed due to hemorrhage.

In summary, our mortalities overall and individually were well within the standard deviation range. What is important to note is the fact that even if HCFA didn't report our mortality rates, Ohio Valley Hospital would continue to review and analyze not only our mortalities, but all important aspects of care. We make every effort to identify our deficiencies both great and small. Our mission is to continuously improve.

Sincerely,

OHIO VALLEY HOSPITAL

A handwritten signature in cursive script, appearing to read "Fred Brower".

Fred B. Brower  
President

FBB/SM/dmf

# Parma Community General Hospital

---

March 17, 1992

Medicare Provider Number  
360041

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attention: Robert Moore

Dear Sir:

The following comments pertain to the FY 1990 Medicare mortality data received by Parma Community General Hospital, Parma, Ohio.

The information packet included with the data was not clearly written to allow easy tracking whether the reference was to admission or discharge data. This required excessive time in assembling and analyzing data.

This Hospital does not have an organ/tissue transplant service.

Although the numbers were too few to provide statistical evaluation of initial pacemaker insertion, the Quality Improvement Department is currently reviewing all pacemaker insertions to determine if any patterns or trends concerning the criteria used in treating these patients can be determined. This will be presented through the Medical Staff quality review process for their input.

Very Truly Yours,



Frederick P. Meyerhoefer, M.D.  
Associate Administrator - Medical Affairs  
Parma Community General Hospital

cc: C. Harle, President, Board of Trustees  
T. Selden, Administrator  
K. Schmidt, R.N., Director, Quality Improvement Services  
file



# RIVERSIDE HOSPITAL

A RIVERSIDE HEALTH GROUP MEMBER

March 17, 1992

ID#360094

Gail R. Wilensky, PhD, Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Safety  
Room 3-A12 Security Office Park Building  
6325 Security Boulevard  
Baltimore, MD 21207-5187

ATTN: Robert Moore

Dear Sir:

I have re-evaluated 20% of the medicare patient abstracts where the date of death and date of discharge from the hospital were the same. Only two (2) errors were noted; both errors occurred in the "age" category.

Although admission source is considered in calculating the probability of death, in my small sample 75% of the patients were admitted through the Emergency Department. Perhaps there are social as well as medical variables which occur prior to admission which should be more fully evaluated.

Forty-five percent (45%) of the sample had multiple significant comorbid conditions not fully addressed by the co-occurrence formula.

The HCFA Mortality Data is used in conjunction with internal data to evaluate patient care.

Sincerely,

Marlene Koskela, R.N., MSA, CPQA  
Director, Quality Review

MK/vm



## Samaritan Hospital

1025 Center St.  
Ashland, Ohio 44805-4098  
(419) 289-0491

WILLIAM C. KELLEY, JR.  
PRESIDENT

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

### HOSPITAL # 360002

Hospital characteristics AHA Annual Survey of Hospitals Survey 1990  
should be:

|                                 |     |
|---------------------------------|-----|
| Cardiac Intensive Care          | No  |
| Medical/Surgical Intensive Care | Yes |
| Medicare Swing Beds             | Yes |

Mr. William C. Kelley, Jr.  
President/CEO

WCK/cm

Samaritan Medical Center



St. John & West Shore Hospital



**WESTLAKE HEALTH CAMPUS**

*More than a hospital and close to home*

29000 Center Ridge Road  
Westlake, Ohio 44145  
216-835-8000  
Medicare Provider  
Number: 360123

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Dr. Wilensky:

St. John and West Shore Hospital Medical Staff members reviewed a sample of the four (4) conditions and three (3) procedures which demonstrated a difference between the Predicted and Observed number of mortalities occurring within 30 and 180 days of hospital discharge.

The scatter diagrams for the conditions of Congestive Heart Failure, Chronic Obstructive Pulmonary Disease, Sepsis and the procedure of Cholecystectomy illustrate that the patients were concentrated in the 80 to 90 year age range. The diagrams also demonstrate a variety of co-morbid conditions occurring with these patient populations.  
(Attachment A.)

The Orthopedic Surgeon who reviewed a sample of medical records of patients who had a hip fracture and of patients who had hip replacement/reconstruction determined that each patient had received appropriate treatment. All but one patient had co-morbid conditions. The age of the patients ranged from 76 to 93 years.

The consistent factor, throughout these reviews, demonstrated an elderly patient population with many co-morbidities. No quality of care problems were found during the peer review process.

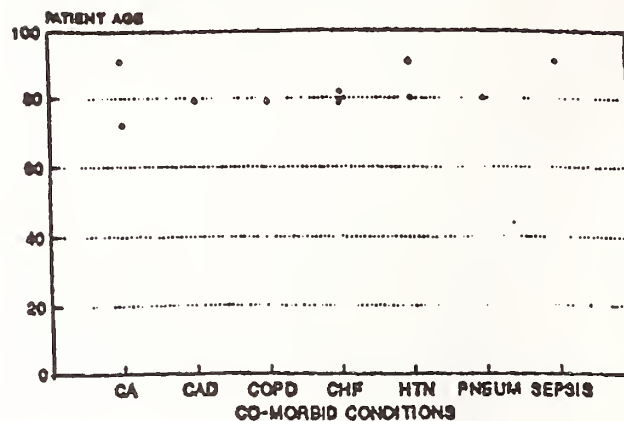
Sincerely,

Peter G. Reibold  
President & Chief Executive Officer  
CSA Health Network

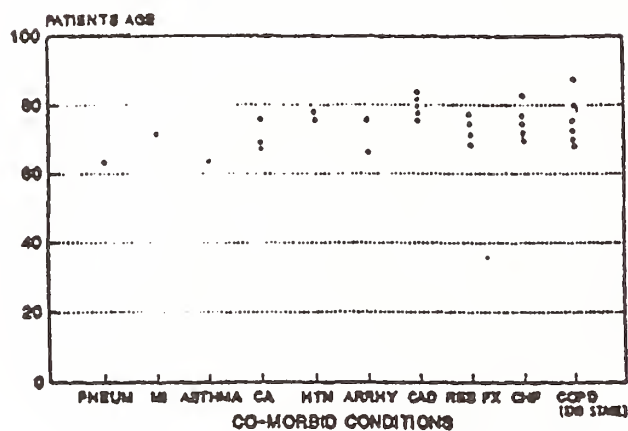
ATTACHMENT A

Medicare Provider  
Number: 360123

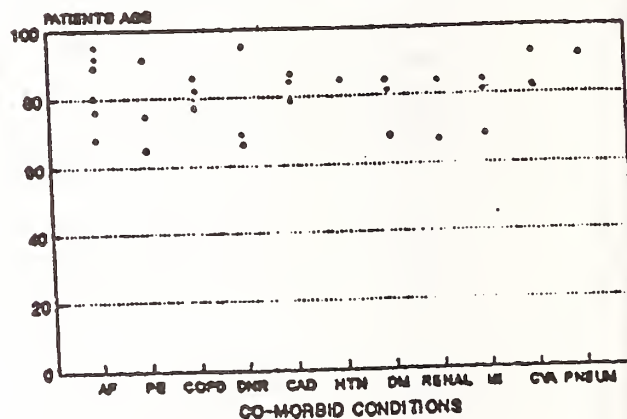
HCFA MORTALITY STUDY - 1990  
CHOLECYSTECTOMY



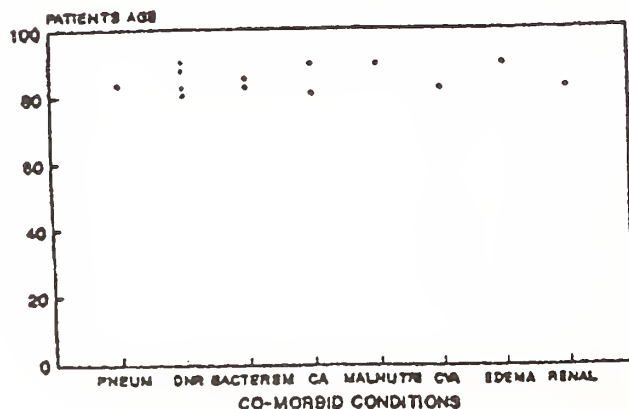
HCFA MORTALITY STUDY - 1990  
CHRONIC OBSTRUCTIVE LUNG DISEASE



HCFA MORTALITY STUDY - 1990  
CONGESTIVE HEART FAILURE



HCFA MORTALITY STUDY - 1990  
SEPSIS





# st. Joseph RIVERSIDE hospital

1400 TOD AVE., N.W. / WARREN, OHIO 44485-2499 / (216) 841-4000

March 13, 1992

Gail R. Wilensky, PhD., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

## COMMENTS FROM ST. JOSEPH RIVERSIDE HOSPITAL

Statistically, St. Joseph Riverside Hospital's results are within the standard deviation in all categories. This mortality data can be useful as a quality assurance screen for hospitals. We will continue to use it, along with our many other quality assurance activities, to review and assure the quality of care given to our patients.

Steven H. Dickstein  
Vice President and Chief Financial Officer  
St. Joseph Riverside Hospital

Paula E. Muir, A.R.T.  
Director of Medical Records Services  
St. Joseph Riverside Hospital

pem/



Medicare Provider #36-0090

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

SUBJECT: FY 1990 Medicare Hospital Mortality Rates - Comments

Dear Mr. Moore:

In comparing St. Luke's Hospital's observed mortality rates with the calculated predicted rates, the Hospital's observed rates fall within the 95 percent prediction interval for all conditions and procedures listed where a calculated standard deviation is reported.

Also, for conditions and procedures, whereby, the observed mortality rate is greater than the predicted rate where no standard deviation has been calculated, it can be said that the precision and interpretability of the results are questionable. In other words, it cannot be determined if there is a "real" difference between the observed rate and predicted rate.

Sincerely,

  
Frank J. Bartell, III  
President

FJB/sv



March 19, 1992

Medicare Provider #360020



Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Mr. Moore:

*Albert F. Gilbert, Ph.D.  
President and CEO*

*525 East Market Street  
P.O. Box 2090  
Akron, Ohio 44309-2090  
Phone (216) 375-3000  
Fax (216) 375-4068*

Saint Thomas Medical Center is in receipt of the preliminary Health Care Financing Administration (HCFA) mortality statistics which are scheduled for release in June, 1992. The comments which follow represent our public response as to the validity and usefulness of this data as a measure of quality of health care.

Assurance of the quality of health care is a responsibility which Saint Thomas Medical Center accepts with the greatest of seriousness. The measurement of quality is undertaken in every aspect of our operation, from maintaining the right equipment and personnel to monitoring patient outcome on a regular basis. We, as does the HCFA, believe that the public has a right to information regarding the quality of the hospital serving them. However, we are concerned that the release of raw data on mortality cannot appropriately serve as an evaluation of quality. There are many factors relating to these outcomes and it is impossible to thoroughly communicate this information on each hospital across the country.

We continue to have concerns regarding the HCFA statistics. First, the methodology cannot assess whether differences in mortality are due to differences in quality of care or, in fact, are due to difference in condition of the patient being treated. Second, use of mortality as the sole indicator of quality is not appropriate. Finally, inclusion of deaths after the patient goes home may make the hospital accountable for circumstances over which we have no control.

In summary, Saint Thomas Medical Center believes its dedication to the measurement and assurance of quality of health care has led to a far more precise and meaningful approach than the one proposed by HCFA. We hope to continue to demonstrate the public's confidence in our service has been well placed.

Sincerely,

Albert F. Gilbert, Ph.D.  
President and Chief Executive Officer



Saint Vincent  
Charity  
Hospital  
& Health Center

The Downtown Hospital  
Since 1865

2351 East 22nd St.  
Cleveland, Ohio 44115  
(216) 861-6200

March 19, 1992

Medicare Provider  
Number: 360037

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Dr. Wilensky:

Review of the sixteen (16) death charts supplied revealed that eight of these patients died while in the hospital. The in-hospital deaths ranged in age between 49 and 84 and all had severe underlying heart disease with many concomitant co-morbidities. Our reviewing physician felt that these patients may have had associated left ventricular aneurysm resections or mitral valve replacement. Such patients are at high risk for death in the hospital. The cause of death of the patients who died out of the hospital is undeterminable from the data we have. It is possible that many of these patients did not die of cardiac related problems. One patient in particular who is very high risk but survived hospitalization did live to go to a nursing home, but suffered a pulmonary death at the nursing home unrelated to previous bypass surgery.

St. Vincent Charity Hospital mortality rate for this procedure for the same fiscal year was 3.87%. There were a total of 24 deaths out of 619 cases.

Sincerely,

Peter G. Reibold  
President & Chief Executive Officer  
CSA Health Network



A Sisters of Charity of Saint Augustine Hospital



St. Vincent Medical Center

Provider #360112

#### COMMENTS: MEDICARE HOSPITAL MORTALITY DATA

St. Vincent Medical Center is pleased to have the opportunity to comment on HCFA's 1990 release of Medicare mortality data.

St. Vincent is a 588-bed regional, referral center located in Toledo, Ohio. Trauma and other high acuity patients have access to the Medical Center's advanced technology, including eight intensive care units, Life Flight air ambulance and a team of highly specialized physicians, nurses and other support staff. As a teaching institution and tertiary care hospital, St. Vincent and its medical staff support efforts to establish appropriate measures of the quality of care provided in our nation's hospitals.

At St. Vincent, quality assurance is a management function overseen by the Board of Trustees and medical staff leadership. Extensive nursing, physician and support staff quality programs are in place to ensure proper clinical management. The results of all quality assurance programs are reported regularly to committees for review and recommendations for continued enhancement of the hospital's clinical services.

St. Vincent has reviewed the study conducted by the Health Care Financing Administration on the mortality of Medicare patients. The hospital notes that in the All Causes category, St. Vincent falls well below the predicted mortality rates. This is a significant achievement since the hospital's case mix index (CMI) is 14 percent higher than the average CMI of all other local hospitals, which is reflective of St. Vincent's role as a tertiary and trauma care provider in Northwest Ohio and Southeast Michigan.

The HCFA mortality data included eight categories where the number of cases in the sample was not sufficient to establish an accurate range of expected mortality. Therefore, any difference between the observed and expected mortality rates can not be accurately interpreted. Instead, individual medical records were reviewed.

The analysis of records revealed that clinical management had been appropriate. For example, higher observed mortality rates of patients with chronic obstructive pulmonary disease were influenced by 10 out of 12 patients having comorbidities and an above average age compared to other Medicare patients. Of those patients undergoing cholecystectomy, two had severe obstructions and three were secondary procedures.



In addition, the medical records of all congestive heart failure patients were individually reviewed. It was noted that their average age was also higher than the total Medicare population, and all but one patient had comorbidities and were in the advanced stages of this disease. In the category of stroke, the analysis of medical records revealed that 88% of these patients had comorbidities and were in such an advanced disease stage that their records reflected that they had requested that no extraordinary means be taken to prolong their lives. It is also significant that 11 of the 36 patients were transferred to St. Vincent via Life Flight from other hospitals, thereby also indicating the seriousness of their conditions when first seen by St. Vincent Medical Center. Additionally, in the area of prostatectomy, a review of these 10 cases showed that a significant number of these patients were suffering from the primary disease of cancer.

We appreciate the importance of providing information to the public as one means of making health care decisions. However, for HCFA's future analysis and publication of mortality rates, St. Vincent Medical Center offers the following comments:

\* Mortality rates are useful to hospital clinicians and managers by raising questions and pointing to categories that may warrant further evaluation. However, this data is not necessarily indicative of the total quality of a hospital and may be misleading without a clear understanding of the statistical interpretation of the data or other contributing factors, such as patients' medical histories, age, or socio-economic status.

\* Mortality data beyond 30 days post admission is likely influenced by factors beyond the control of the hospital, and is, therefore, a less valid indicator of the quality of inpatient care rendered by the hospital.

\* While we support HCFA's initial year of providing certain information for some of the variables used in computing predicted mortality rates, St. Vincent cautions that this data is not yet a true picture of the types of patients treated at this Medical Center or other hospitals across the country. Comorbidities, age, socio-economic background and "no code" status are several of the factors that need further analysis to provide a more complete picture of quality.

In conclusion, St. Vincent Medical Center's HCFA mortality rates for the sampled conditions and procedures are generally below the predicted mortality rate, and are well within the expected range for all categories that had a sufficient number of cases to establish a reliable range. Most significantly, the overall HCFA mortality rate for St. Vincent Medical Center was well below the predicted rate.

3/19/92  
Date

Darryl R. Lippman  
Darryl R. Lippman  
President & CEO





DEPARTMENT OF THE AIR FORCE  
USAF MEDICAL CENTER, WRIGHT-PATTERSON (AFLC)  
WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433 - 5300

MEDICARE NO. 36006F  
19 March 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medical Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Sir

Reference Medicare No. 36006F

Mortality data for the U.S. Air Force Medical Center Wright-Patterson includes only those deaths and only those discharges in which Medicare is billed for our services. An Air Force medical center of this size discharges approximately 10,000 patients per year of whom approximately 12% are Medicare eligible.

Federal law prohibits this facility from billing Medicare for services rendered to our Medicare eligible beneficiaries. The few cases so billed in recent years were civilian patients treated at this facility under emergency circumstances.

The following data more appropriately reflects the mortality experience of this facility than the few cases represented in the Medicare Hospital Mortality Rates report. These data reflect annual in-hospital deaths and total discharges for all ages unless otherwise noted.

FY88- 77 deaths/8,886 discharges = 0.86%

FY89- 91 deaths/9,450 discharges = 0.96%

FY90- 84 deaths/10,346 discharges = 0.81%

FY91- 78 deaths/9,887 discharges = 0.80%

FY91- 45 deaths/1,221 discharges = 3.60% (>65 YEARS)

Sincerely

TERENCE T. CUNNINGHAM, Colonel, USAF, MSC  
Administrator





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